



भारत का राजपत्र The Gazette of India

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No. 5] NEW DELHI, SATURDAY, JANUARY 31, 1998 (MAGHA 11, 1919)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 31st January 1997

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Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadiah
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

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पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 31 जनवरी, 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, विल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांडो इस्टेट,
तीसरा तल, लोवर परले (ग.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रा एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिदिक् द्वीप ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय)
मिजाम पैलेस, विधायी बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश ओस मार्ग,
कलकत्ता-700 020 ।

भारत का अवर्षण क्षेत्र ।

तार पता - "पेटेंटोफिस"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीकृत सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क : शुल्कों की अदायगी या तो तत्काल की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भगतान योग्य धनादेश अथवा
आक आदेश या जहाँ जण्युअर कार्यालय अवस्थित है उस स्थान
के अनुसूचित बैंक से नियंत्रक को भगतान योग्य बैंक ड्राफ्ट अथवा
बैंक द्वारा की जा सकती है ।

CORRIGENDUM.

In the Gazette of India part-III Sec-2, dated the 5th July
1997 Page-983 Col-I for application for Patent No. 389/
Cal/97 filed on 2nd June 1992 read the 1st applicant as
MONTELL NORTH AMERICA INC.

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE 234/4 ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20.

The dates shown in the crecent. bracket are the dates claim-
ed under section 135, under Patent Act, 1970.

11-12-1997

2345/Cal/97 Clafs Corentz Uno Wellon Person, "Terres-
trial communication svstem".

2346/Cal/97 Nokia Telecommunications Oy "System for
transmitting an emergency call in the event of
malfunction in the telephone network" (Conven-
tion No. 964968 on 11-12-96 in Finland).

2347/Cal/97. Toromaster, Inc., "Equilibrated friction hince
with variable frictional torque" (Convention No.
785,927 on 22-01-97 in U.S.A.).

2348/Cal/97. Samsung Electronics Co. Ltd., "A circuit &
method for controlling the power used by a
portable radiotelephone" (Convention No. 64385/
1996 on 11-12-96 64868/1996 on 12-12-96 and
33501/1997 on 18-7-97 in Korea).

2349/Cal/97. Mauro Bianchi S.A., "Suspension system for
a vehicle wheel" (Convention No. FR 96, 15476
on 12-12-96 in France).

2350/Cal/97. Johnson & Johnson Medical, Inc., "Thermal
gradient bevelling of catheters" (Convention No.
08/767267 on 13-12-96 in U.S.A.).

2351/Cal/97. Siemens Corporate Research, Inc., "A graphi-
cal user interface system for steam turbine ope-
rating conditions" (Convention No. 08/768,047
on 13-12-96 in U.S.A.).

2352/Cal/97. Siemens Corporate Research, Inc., "A method
for blade temperature estimation in a steam tur-
bine" (Convention No. 08/764,381 on 13-12-96
in U.S.A.).

2353/Cal/97. Indian Institute of Technology, "Method of retrieval of thin flexible peels of elastic sediments".

2354/Cal/97. Tandem Computers, Inc., "A system and method for optimizing database queries with improved performance enhancements". (Convention No. 08/763,407 on 11-12-96 in U.S.A.).

2355/Cal/97. Daewoo Electronics Co. Ltd., "Method and apparatus for encoding a facial movement" (Convention No. 96-72671 on 27-12-96 in South Korea).

2356/Cal/97. Mangesh Gundoba Nadkarni, "An improved pilfer-proof cap".

12-12-1997

2357/Cal/97. Medical Industrial Equipment Limited, "Face Masks" (Convention No. 9626942.8 on 27-12-96 in United Kingdom).

2358/Cal/97. Samsung Electronics Co., Ltd., "Battery re-charging circuit" (Convention No. 64866/1996 on 12-12-96 in Korea).

2359/Cal/97. Norton Healthcare Limited, "Inhaler dose counter" (Convention No. 9626538.4 on 20-12-96 in U.K.).

2360/Cal/97. Tsukishima Kikai Co., Ltd., "Method for displaying set inputs based on conductivity meter of batch wise vacuum pan and automatic operating method thereof" (Convention No. 09-186960 on 11-7-97 in Japan).

2361/Cal/97. Siemens Aktiengesellschaft "Method and device for control of at least one capacitive final control of at least one capacitive final control element (correcting element)" (Convention No. 19652809.7 on 18-12-96 in Germany).

2362/Cal/97. Siemens Aktiengesellschaft, "Mobile radio set and method for determining the reception field strength" (Convention No. 19653566.5 on 20-12-96 in Germany).

15-12-1997

2363/Cal/97. LG Electronics Inc., "Stator stopper structure for hermetic compressor". (Convention No. 66637/1996 on 17-12-96 in Republic of Korea).

2364/Cal/97. Thomson Consumer Electronics, Inc., "Method and apparatus for positioning auxiliary information proximate an auxiliary image in a multimage display" (Convention No. 08/770,770 on 19-12-96 in U.S.A.).

2365/Cal/97. Thomson Consumer Electronics, Inc., "Video signal processing system providing independent image modification in a multi-image display" (Convention No. 08/769,333 on 19-12-96 in U.S.A.).

2366/Cal/97. United States Gypsum Company, "Gypsum wood fibre product having improved water resistance".

2367/Cal/97. Projects & Development India Limited, "An improved process for utilizing urea plant effluent as boiler feed water & recovered constituents as raw materials in urea synthesis".

2368/Cal/97. Northern Telecom Limited, "Virtual private network service provided for asynchronous transfer mode network" (Convention No. 08/769,649 on 19-12-96 in U.S.A.).

2369/Cal/97. Siemens Aktiengesellschaft, "Electrical coupling device between switchrooms" (Convention No. 19653676.6 on 16-12-96 in Germany).

2370/Cal/97. Siemens Aktiengesellschaft, "Non conductive, a band or a use building substrates, on which multitude of carrier elements in developed" (Convention No. 19653623.5 on 20-12-96 in Germany).

2371/Cal/97. Siemens Aktiengesellschaft, "Burner for fluidic fuels, method of operating a burner, and vortex element". (Convention No. 19653474.7 and 19653473.9 on 20-12-96 in Germany).

16-12-1997

2372/Cal/97. Ashoke Sutradhar, "A device for multi-channel data communication by FSK modulation through LT power line".

2373/Cal/97. Chi-Lung Chang, "Dying machine with cloth conveyer means".

2374/Cal/97. World Industry Co. Ltd., "Controller for changeable pedaling system of Bi-Directional pedaling bicycle" (Convention No. 1996-82480 on 30-12-96 in Republic of Korea).

2375/Cal/97. Monowar Hossain, "An improved and modified accelerating device for cycles".

2376/Cal/97. Nalco Chemical Company, "Water continuous methyl acrylate emulsion polymers for improved flocculation of red mud in the bayer process".

2377/Cal/97. Koch Enterprises, Inc., "Method and apparatus for treating fluid catalytic cracking product gases to produce de-acidified fuel gas".

2378/Cal/97. S. C. Johnson & Son, Inc., "Microemulsion insect control compositions".

2379/Cal/97. Siemens Aktiengesellschaft, "Integrated semiconductor circuit with capacitance-redundancy" (Convention No. 19652325.7 on 16-12-96 in Germany).

2380/Cal/97. Hitachi, Ltd., "Circuit breaker" (Convention No. 08-345350 on 25-12-96 and 09-026941 on 10-2-97 in Japan).

2381/Cal/97. Degussa Aktiengesellschaft, "Process for the production of granulates from an alkali metal or alkaline earth metal cyanide" (Convention No. 196 53 957.9 on 21-12-96 in Germany).

2382/Cal/97. Fusion Lighting, Inc., "Lamp apparatus with reflective ceramic sleeve holding a plasma that emits light" (Convention No. 08/771,723 on 20-12-96 in U.S.A.).

2383/Cal/97. Fusion Lighting, Inc., "Lamp apparatus with reflective ceramic sleeve holding a plasma that emits light". (Convention No. 08/771,757 on 20-12-96 in U.S.A.).

ALTERATION OF DATE

180407
(524/Del/91)

filed on 17-6-1991
Ante dated to 28-2-1986

Patent No. 180419
(575/Mas/95)

Ante-dated to 10th March, 1994.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम एंसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के सर्बर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अग्रूप है।”

रूपांक (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उरी 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

Ind. Cl. : 114D

180381

Int. Cl. : C11 B, 11/00

AN IMPROVED PROCESS FOR THE PREPARATION OF PHOSPHORILATED AND SULPHITED FATLIQUOR BASED ON VEGETABLE/MARINE OIL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.

Inventors : SCHOLINGA CANTHADA SUMATHI,
VEMU VENKATA MURALIDHARA RAO,
VENKATESWARAN HARIBABU,
POLUR KRISHNAIAH,
BOREDDY SIVARAMI REDDY,
SAMBHO SENAKARA RAJADURAI,
KRISHNA BALLABH GUPTA,
KANGAYAM SUBRAMANYA JAYARAMAN,
GOPALA KRISHNA THYAGARANJAN,

Application for Patent No. 87/Del/97 filed on date 30-1-91.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

An improved process for the preparation of phosphorilated and sulphited fatliquor based on vegetable/marine oils which comprises:

1. reacting the vegetable oils/marine oils with polyethylene glycol 400 to interesterify the glycerol, of the vegetable oils/marine oils by conventional methods,
2. phosphorilating the resulting hydroxy polyethylene glycol esters by reacting with sodium dihydrogen phosphate, disodium hydrogen phosphate or hypophosphite under a current of hot air in the presence of a known phase reversible catalyst and,
3. sulphiting the resultant product using sodium bisulphite or metabisulphite in the presence of air.

(Complete Specification 10 pages; Drawing Sheets Nil)

Ind. Cl. : 77 C

180382

Int. Cl. : C 11 C 3/06

A PROCESS FOR THE PREPARATION OF PHOSPHATED FATLIQUOR.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001 INDIA.

Inventor : DR. SCHOLINGA CANTHADA SUMATHI,
SH. VEMU VENKATA MURALIDHARA RAO,
DR. VENKATESWARAN HARIBABU,
SH. POLUR KRISHNAIAH,
DR. BOREDDY SIVARAMI REDDY,
DR. SAMBO SANKARA RAJADURAI,
SH. KRISHNASWAMI PARTHASARATHI,
DR. KANGAYAM SUBRAMANYA JAYARAMAN,
DR. GOPALA KRISHNA THYAGARANJAN.

Application Patent No. 88/Del/91 filed on date 30-1-91.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of phosphated fatliquor based on low iodine value vegetable/marine/land animal oils/saturated fat/wool grease which comprises reacting the low iodine value vegetable/marine/land animal oils/saturated fats/wool grease with polyethylene glycol 400 or 600 to interesterify the glycerides of vegetable/marine/land animal oils/saturated fats/wool grease, by known methods such as herein described, phosphorilating the resulting hydroxy polyethylene glycol esters by reacting with sodium hexameta phosphate or sodium tripolyphosphate under a current of hot air in the presence of conventional phase reversible catalyst such as herein described for a period 1.1/2 to 2.1/2 hours at 80-90°C.

(Complete Specification 12 pages Drawing Sheets Nil)

Ind. Cl. : 32F 3(C)

180383

Int. Cl. : C07C 2/58

A PROCESS FOR THE PREPARATION OF OXY DERIVATIVES OF PARAFFINIC HYDROCARBONS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor : DR. SCHOLINGA CANTHADA SUMATHI, SH. VEMU VENKATA MURALIDHARA RAO, DR. VENKATESWARAN HARIBABU, SH. POLUR KRISNAIAH, DR. BOREDDY SIVARAMI REDDY, DR. SAMBO SANKARA RAJADURAI, SH. LALMOHAN PRASAD, DR. KANGAYAM SUBRAMANYA JAYARAMAN, DR. GOPALA KRISHNA THYAGARAJAN.

Application Patent No. 89/Del/91 filed on date 30-1-91.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A Process for the preparation of oxy derivatives of paraffinic hydrocarbons ($C_{10}-C_{30}$) which comprises oxidising paraffinic hydrocarbons selected from heavy normal paraffin ($C_{10}-C_{30}$), light liquid paraffin ($C_{20}-C_{28}$) & liquid paraffin ($C_{12}-C_{30}$) by bubbling air through the said hydrocarbons in the presence of a homogenous catalyst such as manganous naphthenate, petroleum sulphonate, sodium salt of dodecyl benzene sulphonate at a temperature, in the range of 160°C to 180°C.

(Complete Specification 8 pages; Drawing Sheets Nil)

Ind. Cl. : 61 F

180384

Int. Cl. : C14B, 1/58

A DEVICE FOR DRYING LEATHER.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

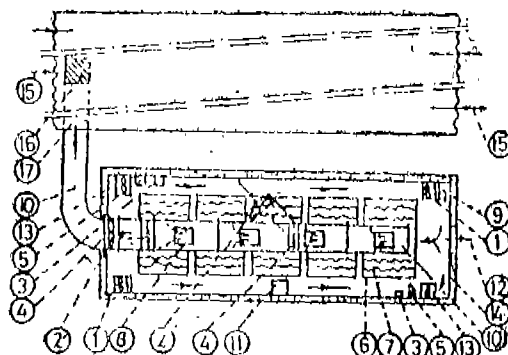
Inventor : DANIEL SIROMONEY ROOSEVELT, GOPAL BALARAMAN, RAJAT BARAN MITRA, KANGAYAM SUBRAMANYA JAYARAMAN, KRISHNASWAMY PARTHASARATHI, RAMASWAMY JAGADHEESWARAN, RAMALINGAM KRISHNAMURTHY.

Application for Patent No. 92/D/91 filed on date 4-2-91.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A device for drying leather in leather industry which comprises an insulated chamber (9) the inner walls of asbestos lined (14), the chamber provided with two air circulators (13), arranged diagonally across the chamber to circulate hot air inside the chamber, the two sides of the chamber having openings at (2) and (12) and through one of the openings at the duct entry point the suction duct passed into the chamber carrying hot air from the solar panel (17), the duct having plurality of air grilles (8) with louvers, these grilles provided in the bottom face of the duct which is inside the chamber, panels (6) provided inside the chamber below the duct for fixing the wet leather to be dried, the plurality of heaters (4), are also arranged across the cross section of the duct in the said chamber for enhancing the heat input to the chamber or to get an automatic switch on, when required heat is not available through solar panel, the chamber also provided with thermometers/thermostats (5) and humidistats (3) to monitor the temperature and humidity levels inside the chamber, the other side opening of the chamber for the purpose of letting out damp/humid air from the chamber.



(Compl. Specn. 11 pages;

Drwg. 1 sheet.)

Ind. Cl. : 40 E

180385

Int. Cl. : B 01 D, 15/08

AN IMPROVED ADSORPTIVE SEPARATION PROCESS.

Applicant : UOP, 25 EAST ALGONQUIN ROAD, DES PLAINES ILLINOIS-60017-5017, UNITED STATES OF AMERICA.

Inventor : SANTI KULPRATHIPANJA.

Application for Patent No. 98/Del/91 filed on date 7-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

An improved adsorptive separation process for separating normal paraffin hydrocarbons from branched hydrocarbons including cyclic compounds wherein a feed comprising normal paraffins and branched hydrocarbons including cyclic compounds having carbon numbers in the range of 10-35 is separated into an extract material comprising relatively adsorbed normal hydrocarbons and raffinate material comprising the relative non-adsorbed branched hydrocarbons including cyclic compounds by the steps of; contacting an adsorbent such as herein described having selective adsorption properties for the extract material as compared to the raffinate material with said feed material in an adsorption zone at adsorption conditions such as herein before described, removing to the relatively non-adsorbed branched hydrocarbon having lower carbon numbers than said feed material to form the extract material, wherein branched hydrocarbon including cyclic compounds input stream boiling outside of the boiling range of the feed is passed into the upstream end of said adsorption zone either downstream of point at which said adsorbent is contacted with the feed or at the point of feed introduction whereby the normal hydrocarbon comprising said desorbent are substantially diluted and said normal paraffin constituents of said feed material in contact with the adsorbent are adsorbed in preference to the normal hydrocarbon contained in the desorbent to thereby increase the recovery of said normal paraffin hydrocarbon feed materials.

(Compl. Specn. 30 pages;

Drwng. sheet 1)

Ind. Cl. : 114 D

180386

Int. Cl. : D 06N 3/02

A PROCESS FOR THE PRODUCTION OF LEATHER LIKE BOARDS FROM CELLULOSIC PULP.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001.

Inventors : DIP CHANDRA SHIKA,
BANI PRASAD CHALHA.

Application for Patent No. 100/Del/91 filed on date 7-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A Process for the production of leather like from cellulosic pulp which comprises ;

- mercerising, washing and thoroughly beating cotton pulp to a freeness in the range of 650-600cc CSF, (Canadian Standard Freeness).
- digesting unbleached jute pulp with caustic soda washing and beating to a freeness in the range of 650-600CC CSF,
- mixing the mercerised cotton pulp and the jute pulp to form a fine blend,
- adding conventional sizing agents such as natural guma rosen to the blend to make it water repellant.
- adding 18 to 20% by wt, rubber latex and alum to the blend, to make the pH between 4 to 5 to make the board flexible and,
- pressing the blend into sheet, drying punching & cutting the sheet to the desired size and shape.

(Complete Specification 7 pages;

Drawing Sheet Nil)

Ind. Cl. : 154D

180387

Int. Cl. : B44E 1/12

A PRINTABLE SHEET, USABLE FOR MANUFACTURING SAFETY DOCUMENTS.

Applicant : ARJO WIGGINS S.A. (FORMERLY KNOWN AS ARJOMARI EUROPE) A COMPANY ORGANISED UNDER THE LAWS OF FRANCE, OF 3, RUE DU PONT DE LODI, 75006 PARIS, FRANC.

Inventors : ANTOINE VALLEE,
CHRISTOPHE HALOPE.

Application for Patent No. 107/Del/91 filed on 11-02-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A printable sheet, usable for manufacturing safety documents having a clean print and a high resistance to circulation wherein at least one of its faces is coated with a composition comprising 1 to 50 parts of at least one inorganic filler of the kind described hereinbefore and at least 2 to 40 parts of at least one elastomeric binding agent selected from the group formed by the aqueous dispersions of polyurethane, acrylate, copolymers, possibly carboxylated styrene-butadiene copolymer, polymers of which one of the monomers is acrylonitrile or neoprene or mixtures thereof, optionally a plasticizing agent of the kind described hereinbefore and other conventional additives used in paper-making.

(Compl. Specn. 18 pages;

Drwng. sheet Nil.)

Ind. Cl. : 189

180388

Int. Cl. : A61K, 7/38

A DIAPER, SANITARY NAPKIN OR PENTILINER COMPRISING A FLUID-ABSORBING PAD.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, USA OF ONE PROCTER & GAMBLE PLAZA CINCINNATI, STATE OF OHIO, 45202, USA.

Inventors : DIANE LYNN FURIO.

Application for Patent No. 115/Del/91 filed on date 13-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A diaper, sanitary napkin or pentiliner comprising a fluidabsorbing pad, interposed between a fluid-permeable topsheet and a fluid-permeable backsheet said pad comprising one or more water-wettable fluid-absorbing materials, of the kind herein described, which contains an odor absorbing amount of at least 0.3g. of an intermediate ratio $\text{SiO}_2/\text{Al}_2\text{O}_3$ Zeolite and optionally further comprising a high Ratio $\text{SiO}_2/\text{Al}_2\text{O}_3$ Zeolite, such as herein described, or mixtures thereof with activated Carbon.

(Complete Specification 31 pages;

Drawing Sheet Nil)

Ind. Cl. : 32E

180389

Int. Cl. : C 08F 8/20

A PROCESS FOR HALOGENATING A POLYMER WITH IMPROVED NEUTRALISATION.

Applicant : EXXON CHEMICAL PATENTS INC., UNITED STATES OF AMERICA, 1900 EAST LINDEN AVENUE, LINDEN, NEW JERSEY 07036, USA.

Inventors : NEIL FREDERICK NEWMAN,
IRWIN JEROME GARDNER.

Application for Patent No. 121/Del/91 filed on date 15-2-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A process for halogenating a polymer selected from the group consisting of a copolymer of a C_4 to C_7 isomonoolefin and a C_4 to C_{11} multiolefin, a copolymer of a C_4 to C_7 isomonoolefin and a para-alkylstyrene, and mixtures thereof, with improved neutralisation which comprises the steps of :

- (a) halogenating under conventional conditions said polymer with a halogenating agent to produce a reaction product comprising the corresponding halogenated polymer optionally dissolved in an organic solvent of the kind such as herein described and hydrogen halide;
- (b) neutralizing said hydrogen halide by contacting said reaction product with an aqueous alkaline material to react with said hydrogen halide at neutralization conditions, and at a temperature ranging from minus 10°C to 1000°C , and a pressure ranging from 0 to 100 psig and in the presence of a C_1 to C_6 aliphatic alcohol, in an amount ranging from 0.005 to 5 weight percent, based on the weight of said halogenated polymer and optional presence of an additive selected from the group consisting of calcium stearate, epoxidized soybean oil, non-ionic surfactance, and mixtures thereof;
- (c) recovering in any conventional manner said halogenated polymer.

(Complete Specification 23 pages

Drawing Sheets Nil)

Ind. Cl. : 189

180390

Int. Cl.⁴ : C 09 F 9/36

HAND AND FACE DRIER.

Applicant : PRABHAT KUMAR, AN INDIAN CITIZEN OF 64, NAVJEEVAN VIHAR, NEW DELHI-110017, IND.

Inventors : PRABHAT KUMAR.

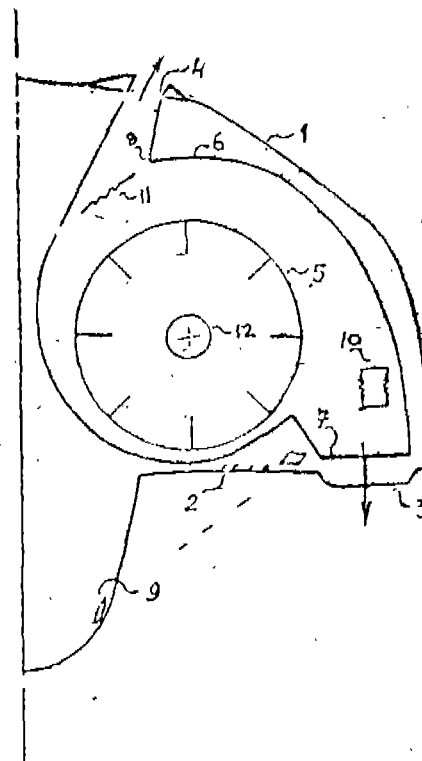
Application for Patent No. 542/Del/91 filed on date 20-06-91.

Complete Left After Provisional Specification on 18-09-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A hand and face drier comprising an outer shell, atleast an volute blower housing with atleast an impeller mounted on a rotatable motor shaft and being disposed within said shell; and control means, said shell with atleast an air inlet port opening and atleast an air exit port opening for a plurality of outward air streams, first air stream being downward towards hand and second air stream characterised by being upward towards the face and being at an angle to said downward exit air stream; and volute housing being with air inlet port and a plurality of air exit port being for said air stream and a position said shell exit port opening.



(Provisional Specification 2 pages;

Drawing Nil)

(Complete Specification 8 pages;

Drawings 1 sheet)

Ind. Cl. : 32 B

180391.

Int. Cl.⁴ : C 08K 5/00, 13/00.

AN ENCAPSULATED COMPOSITION AND A METHOD FOR THE MANUFACTURING THE SAME.

Applicant : EASTMAN CHEMICAL COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE OF 100 NORTH EASTMAN ROAD, KINGSFORD, TENNESSEE 37660, UNITED STATES OF AMERICA.

Inventor : MAHENDRA KUMAR SHARMA, US.

Kind of Application : Complete.

Application for Patent No. 334/Del/91 filed on date 16-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

43 Claims

Solid form additive systems which are dispersible in aqueous media are disclosed, as are methods for preparing such additive systems and methods for dispersing such additive systems in aqueous media. Also disclosed are methods for applying additives to polymeric particles and the polymeric particles treated by such methods.

Ref. : PCT WO 86/04909 USA 392759.

Agent Remfry & Sagar.

(Compl. Specn. 41 pages;

Draws: Sheet Nil.)

180392

PROCESS FOR SEPARATING LIGHT HYDROCARBONS AND HEAVY AND HEAVY HYDROCARBONS FROM AN EFFLUENT STREAM FROM A HYDROCARBON CONVERSION PROCESS.

Applicant : UOP, A COMPANY ORGANIZED UNDER
THE LAWS OF STATE OF NEW YORK, UNITED STATES
OF AMERICA, WITH ITS PRINCIPAL OFFICE LOCATED
AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS,
U.S.A.,

**Inventors : KISHORE J. DOSHI,
MICHAEL J. MITARITEN,
MICHAEL WHYSALL.**

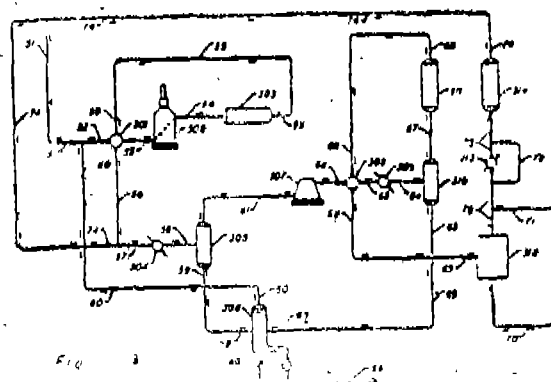
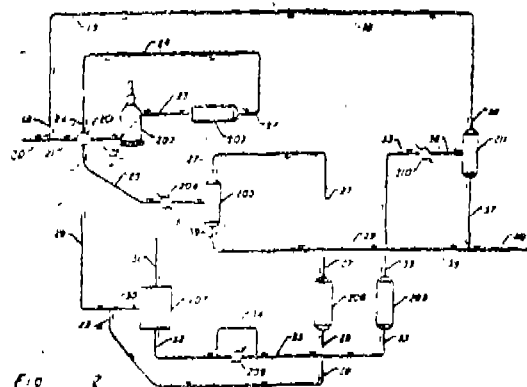
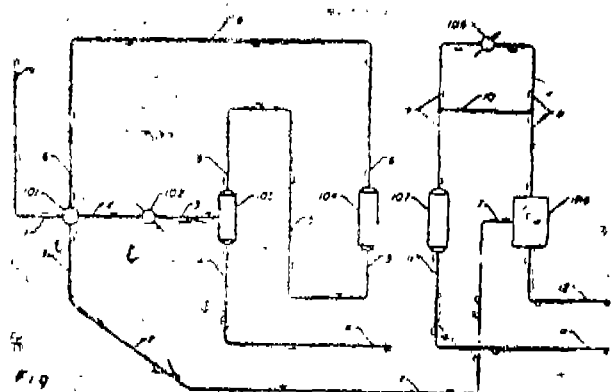
Application for Patent No. 353/Del/91 filed on date 23-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for separating light hydrocarbons and heavy hydrocarbons from an effluent stream from a hydrocarbon conversion process containing hydrogen, C_1 - C_2 hydrocarbons C_3 and above hydrocarbons, said process comprising :

- (a) cooling the effluent stream to a temperature to condense a liquid condensate stream comprising a portion of the C_6 -hydrocarbons and to form a vapor overhead stream comprising hydrogen, C_1 - C_5 hydrocarbons and C_6 and above hydrocarbons fraction;
- (b) passing the vapor overhead stream through a first adsorption zone containing solid adsorbent selected from the group consisting of crystalline molecular sieves, as herein described activated carbon, activated clay, silica gel, activated alumina, and mixtures thereof maintained at a temperature ranging between 18-38°C and a pressure between 689-6890 KPa to adsorb a portion of the C_6 and above hydrocarbon fraction and to produce a first effluent stream comprising hydrogen and the C_1 - C_5 hydrocarbon fraction;
- (c) passing the first effluent stream through a second adsorption zone containing solid adsorbent selected from the group consisting of crystalline molecular sieves, such as herein described activated carbon, activated clay, silica gel, activated alumina, and mixtures thereof maintained at a pressure to adsorb a portion of the C_1 - C_5 hydrocarbon fraction and to form a second effluent stream comprising hydrogen;
- (d) heating a portion of the second effluent stream to raise the temperature to a temperature between 38-316°C to desorb at least a portion of the C_6 and above hydrocarbon fraction from the rich adsorbent produced in step (b) and passing the heated steam portion to said first adsorption zone and into contact with a portion of the heavy hydrocarbon-rich adsorbent produced therein at desorption conditions effective to produce a first desorption effluent stream comprising a portion of the C_6 and above hydrocarbon fraction, and
- (e) regenerating a portion of the C_1 - C_5 hydrocarbon adsorbent produced in step (b) by reducing the pressure maintained therein to a pressure 101 and 1379 KPa to desorb a portion of the C_1 - C_5 hydrocarbon fraction.



(Compl. Specs. : 23 pages;

Drawing Sheets : 3)

Int. Cl.⁴ : B 41 N 1/00.

180393

Ind. Cl. : 154 D.

A PROCESS FOR THE MANUFACTURE OF PHOTO-CURABLE ELEMENTS.

Applicant : PT SUB, INC., A DELAWARE CORPORATION,
UNITED STATES OF AMERICA, OF 1013 CENTRE ROAD,
WILMINGTON, DELAWARE 19805, UNITED STATES OF AMERICA.

Inventors : (1) WILLIAM K. GOSS,
(2) MICHAEL W. YANG.

Application for Patent No. : 360/Del/91 filed on date 24-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

17 Claims

A process for the manufacture of photocurable element comprising a photocurable base layer and a contiguous photocurable printing layer;

said printing layer comprising about 40 to 95 parts by weight of an elastomeric block copolymer and about 5 to 60 parts by weight of a second elastomeric polymer which is incompatible with said block copolymer, a photopolymerizable monomer, and a photoinitiator, said second elastomeric polymer selected from the group consisting of acrylonitrile/butadiene copolymers, acrylonitrile/butadiene/styrene copolymers, acrylonitrile/isoprene copolymers, carboxylated acrylonitrile polymers, acrylate polymers and mixture of the same;

said base layer comprising an elastomeric polymer, a photopolymerizable monomer, and a photoinitiator which comprises subjecting said layers to image-wise exposure to actinic radiation such as ultraviolet radiation, for a period of time sufficient to cure both the printing layer and the base layer.

(Compl. Specs. : 18 pages;

Drawing Sheet : Nil)

Ind. Cl. : 114E

180394

Int. Cl. : C14C 15/00.

"A PROCESS FOR THE PREPARATION OF KERATIN HYDROLYSATE FROM KERATINOUS WASTES USEFUL AS A LEATHER FILTER-CUM-RETANNING AGENT".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : (1) PRAVEEN KUMAR SAHGAL,
(2) GOVINDSWAMY RAMAMURTHY,
(3) KRISHNA BALLABH GUPTA,
(4) MAHENDRA KUMAR,
(5) THOTAPALLI PARVATHIALESWARA SASTRY,
(6) KONDAPURAM VIJAYA RAGHAVAN.

Application for Patent No. : 367/Del/91 filed on date 26-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the preparation of keratin hydrolysate from keratinous wastes useful as a leather filter-cum-retanning agent which comprises treating keratin wastes such as poultry feathers, tannery hairs, horns, hoofs with mild alkali such as herein described in a water bath for a period ranging between 16 to 24 hours at room temperature with occasional stirring, washing the alkali treated with keratinous materials with water, digesting the washed material with NaOH for a period ranging from 3 to 4 hours settling the digested material neutralising to a pH of 7.5 to 8, filtering, concentrating the filtrate and adding conventional preservative, if required, then drying the concentrated mass to get keratin hydrolysate in the form of free flowing powder.

(Compl. Specs. : 19 pages;

Drawing Sheet : Nil)

2-437 GI/97

Ind. Cl. : 39L

180395

Int. Cl. : C01B 33/154.

"AN IMPROVED PROCESS FOR THE PREPARATION OF PRECIPITATED SILICA HAVING BULK DENSITY IN THE RANGE OF 0.141-0.382 g/cc FROM SOLUBLE SILICATES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001.

Inventors : (1) PRAKASH CHANDRA BORTHAKUR,
(2) RAM KUMAR SRIVASTAVA,
(3) ALOKANANDA SENGUPTA,
(4) NIRMAL CHANDRA GOGOI.

Application for Patent No. 369/Del/91 filed on 26-4-1991.

(Complete left after Provisional filed on 18-9-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

An improved process for the preparation of precipitated silica having bulk density in the range of 0.141-0.382 g/cc from soluble silicates which comprises adding a dilute solution of an aluminium source such as here in described to a silicate solution containing 2.45 to 10% SiO₂ in the proportion of SiO₂/Al₂O₃ (Wt) ratio ranging from 10-20, at room temperature to form a precipitated alumina silicate gel aging the said precipitated alumina silicate gel for a period of 1-3 hours at a temperature ranging from room temperature at 100°C, followed by lowering the pH to 3.5 to 9.5 under constant agitation by known methods such as herein described cooling the mixture to room temperature, ageing the mixture for 1-24 hrs. decanting the clean supernatant liquid, filtering and washing the resultant cake and drying at a temperature in the range of 50-120°C to obtain the precipitated silica.

(Provisional Specification 12 pages; Drawing Sheet Nil)

(Complete Specification 13 pages; Drawing Sheet Nil)

Ind. Cl. : 42 C

180396

Int. Cl. : A 24C 1/00

IMPROVEMENT IN SMOKING PIPE.

Applicants : ISHER SINGH GILL OF HM 301, SUKH-DEVNAGAR, JAMALPUR, LUDHLANA, PUNJAB, AN INDIAN NATIONAL HEREBY DECLARE.

Inventor : ISHER SINGH GILL (PUNJAB).

Application for Patent No. 374/Del/91 filed on 26-04-91.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

4 Claims

An improvement in smoking pipe comprising .

— a main body having a smoke passage gap connected to smoke passage ways of pipe,

— the said smoke passage pipe has ash trap cavity in its stem,

- the said ash trap cavity contains filter materials.
- a detachable mouth piece is fitted at the end of said smoke passage pipe after the ash trap cavity wherein,
- a tobacco holding bowl made of heat conducting materials having perforation along the sides till the upper level of the main body is removably fitted in the said main body for allowing the smoke from burning tobacco in the bowl to pass through the said perforations, passage gap, passage ways, mouth piece and thereafter to the smoker.

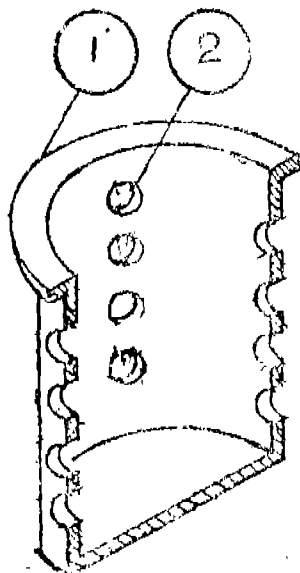


FIG 1

(Complete Specification 4 pages; Drawing 1 Sheet)

Ind. Cl. : 39 N

180397

Int. Cl.⁴ : C 01 G, 3/02, 9/02

AN IMPROVED PROCESS FOR THE PREPARATION OF METAL OXIDE SORBENT EXTRUDES USEFUL FOR HIGH TEMPERATURE DESULPHURISATION OF COAL BURNING GASES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventor : BIMALA PRASAD BARUAH,
JADAVANADA BORGHAIN,
BIMANRANJAN MAZUMDER.

Application for Patent No. 397/Del/91 filed on date 6-5-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the preparation of metal oxide sorbent extrudes useful for high temperature desulphurisation of coal burning gases, which comprises mixing a metal oxide sorbent such as iron-ore slime, iron ore fines, CuO & ZnO or mixtures thereof in equimolar quantities, with plastic clay as binder in the range of 5 to 15% by weight of metal oxide sorbent, adding water and mixing to make a paste, pelletising the paste into cylindrical extrudes drying the extruded cylindrical pellets at a temperature in the range of 100-110°C sintering the extrudes at a temperature of 815°C for a period of 8 hours in an atmosphere of nitrogen.

(Complete Specification 14 pages; Drawing Sheets Nil)

Ind. Cl. : 206 E

180398

Int. Cl.⁴ : H 01 S 1/00

MICROWAVE RADIATION MONITOR

Applicant : JITENDRA BEHARI, SCHOOL OF ENVIRONMENTAL SCIENCES JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI-110067 INDIA

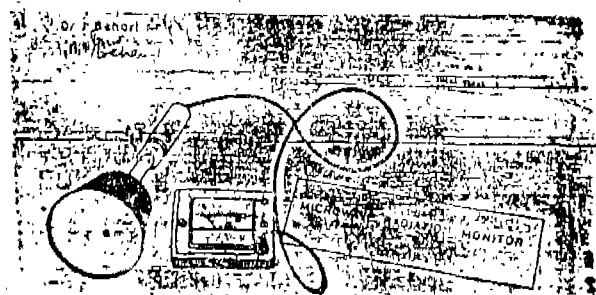
Inventor : JETENDRA BEHARI.

Application for Patent No. 400/Del/91 filed on date 7-5-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A microwave radiation monitor comprising a set of three zero Schottky bias diodes, arranged orthogonally with respect to each other, for intercepting leakage fields (2-10.0 GHz) and the unit is also provided with a multi core cable to be connected to a meter which can detect such leakage fields upto a range of 5mw without any damage to the system.



(Complete Specification 4 pages; Drawing Sheets 2)

Int. Cl.⁴ : C 07 C, 41/05

180399

Ind. Cl. : 32 F (39)

A PROCESS FOR PRODUCING ETHER BY REACTION OF ALCOHOLS AND OLEFINS.

Applicant : UOP, A COMPANY ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, WITH ITS PRINCIPAL OFFICE LOCATED AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, U.S.A.

Inventor : BIPIN VIRPAL VORA,
PETER RAYMOND PUJADO,
CHARLES PAUL LUEBKE.

Application for Patent No. 413/Del/91 filed on date 14-5-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for producing ether comprising :

- (a) passing a feed stream comprising C₁ or C₂ isoolefin, other C₁ to C₆ hydrocarbons, at least one monohydroxy C₁ to C₆ alcohol and water to an etherification zone operated at etherification conditions of pressure ranging below 5000 KPa and the temperature varying 30°C to 1000°C in the presence of a catalyst of the kind herein described to produce an etherification zone effluent stream comprising ether, unreacted alcohol, said other hydrocarbons, and water, wherein the said feed stream

comprises of 0.1 to about 15 vol% water and the ratio of alcohol and the isooctin varies from 1:1 to 2:1;

- (b) passing said etherification zone effluent stream to distillation column maintained at distillation conditions such as herein described to produce a bottoms product stream comprising said ether and an overhead vapor stream comprising the unreacted alcohol, said other hydrocarbons and water;
- (c) cooling said overhead vapor stream to form a liquid hydrocarbons phase comprising said other hydrocarbons, and a liquid aqueous phase comprising the unreacted alcohol and water;
- (d) refluxing in the distillation column a portion of said liquid hydrocarbon phase and recovering the remaining portion of said liquid hydrocarbon phase as a distillate product stream; and
- (e) recycling at least a portion of said liquid aqueous phase formed in step (c) to the etherification zone to comprise a portion of said feed stream.

(Compl. Specn. 17 pages;

Drng. Sheet 1)

Ind. Cl. : 168A

180400

Int. Cl.⁴ : H04L - 27/28

A DEVICE FOR TRANSMITTING AN AT LEAST ONE ORIGINAL INFORMATION SIGNAL.

Applicant : MOTOROLA INC., A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1303 EAST ALGONQUIN ROAD, SCHAMBURG, ILLINOIS, 60196, UNITED STATES OF AMERICA.

Inventor : STEVEN CHARLES JASPER, USA.

Application for Patent No. 417/Del/91 filed on 14-05-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

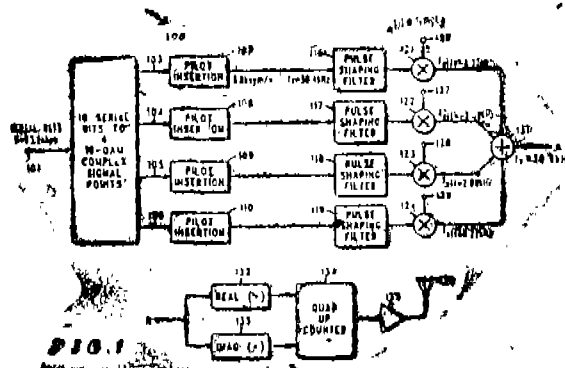
A device for transmitting an at least one original information signal comprising :

means for converting (102) a serial portion of the said at least one original information signal (101) into a parallel plurality of digital 200, 300 information symbols;

combining means connected to said converting means (102) for combining at least one of the parallel plurality of digital information (200) symbols with at least a first predetermined time domain pilot (401, 402) reference symbol to produce at least one composite (400) signal whose constituent symbols occupy temporally separated symbol locations,

wherein said at least a first predetermined time domain pilot reference symbol is independent of the original information (101) signal and is positioned such that at least a first information symbol of the symbol stream is temporally separated from the first information symbol of the symbol stream is temporally separated from the first predetermined time domain reference symbol by greater than one symbol location; and

means (121, 122, 123, 124 for mixing each of the at least one composite (400) signal and those of the parallel plurality (200, 300) of digital information symbols that were not combined with said at least a first predetermined time domain pilot reference symbol with an offset signal to produce a plurality of offset symbol streams, said mixing means being connected to said combining means.



(Complete Specification 17 pages;

Drawing Sheets 3)

Ind. Cl. : 136K

180401

Int. Cl.⁴ : B 23P, 11/00

A PROCESS FOR MAKING A CLAD ARTICLE, INCLUDING A CORE TO DENSIFY METAL POWDER AND A COMPATIBLE METAL CLADDING AND THE CLAD ARTICLE MADE THEREBY.

Applicant : CRS HOLDINGS INC. A CORPORATION OF THE STATE OF DELAWARE, LOCATED AT 103 SPRINGER BUILDING, 34411 SILVERSIDE ROAD, WILLIMINGTON, DELAWARE 19810, USA.

Inventors : JAMES W. MARTIN,
ROBERT S. BROWN,
F. LANCE BUCK,
GREGORY J. DEL CORSO.

Application for Patent No. 433/Del/91 filed on 21-05-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

16 Claims

A process for making a clad article having improved workability and formability, said article including a core formed of densified metal powder within a compatible metal cladding, said process comprising the steps of—

heating metal powder that is substantially free of oxides to a temperature within a first temperature range of 170-400F (76.7-204.4C) to remove moisture from and prevent the adsorption of moisture by the metal powder and to prevent oxidation of the metal powder in air;

feeding the heated metal powder into a heated metal container having an interior surface that is substantially free of oxide contamination said container being at a temperature within a second temperature range of 140-400F (60-204.4C) to remove moisture from and prevent oxidation of the interior surface in air;

controlling the temperature of the metal powder such that it is maintained within the first temperature range during said feeding step;

sealing the metal container while it is within said second temperature range; and

consolidating the sealed container so as to densify the metal powder and metallurgically bond the container to the densified metal powder across an interface therebetween so as to form the metal cladding;

whereby, following said consolidation step the core has a zone adjacent the interface wherein the average oxide volume fraction is not significantly greater than the average oxide volume fraction of the remainder of the core so as to provide local ductility in said core zone that is essentially equal to that of the remainder of the core.

(Complete Specification 22 pages;

Drawing Sheets 7)

Ind. Cl. : 167 C

Int. Cl. : B 01 D 43/00

180402

A METHOD FOR REMOVING LIQUID FROM A MIXTURE OF LIQUID AND SOLID MATTER.

Applicant : PANNEVIS B. V., A BUTCH CORPORATION, OF ELEKTRONWEG 24, 3542 AC UTRECHT, THE NETHERLANDS.

Inventors : ALPHONS ARNOLDUS, JOHANNES ANTONIUS PRINSSSEN.

Application for Patent No. : 443/Del/91 filed on date 21-5-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A Device for removing liquid from a mixture of liquid and solid matter, said device being provided with an endless conveyor belt which is previous to liquid one or more casings over which conveying portion of said conveyor belt moving the mixture during operation is led, means being provided for intermittently effecting a relative movement between the casings and the conveyor belt as well as means for generating a subatmospheric pressure in said casing(s) do not move with respect to each other, characterized in that a plurality of pressure rollers extending transverse to the direction of movement are disposed above a conveying portion of the conveyor belt extending over a said casing(s), pressure means being provided by which said pressure rollers are independently pressable down in the direction of said conveyor portion and removable in a direction away from said conveying portion and driving means are connected to supporting rollers below said casing(s) opposite the pressure rollers whereby the peripheral velocity of the parts of said supporting rollers making contact with the casings is at least substantially equal to the velocity of displacement of the part of said conveyor belt supporting the mixture.

(Complete Specification 10 Pages; Drawings 5 Sheets)

Ind. Cl. : 195 D

180403

Int. Cl. : F 16 K 5/00

"A WATER TAP."

Applicant : UDAY RAM SHARMA, OF M/S. UNIVERSAL DEV. ENGG. INDUSTRIES, VILLAGE GANGARWAH, DISTT. ROHTAK, P. O. LUKSAR, HARYANA, AN INDIAN NATIONAL INDIA.

Inventors : UDAY RAM SHARMA.

Application for Patent No. : 461/Del/91 filed on date 29-5-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A water tap comprising a main body (3) having a water outlet (0) towards the central opening provided in the upper end of said main body, (3) characterised in that an internal valve body (1) consisting of a GI pipe having a PVC pipe disposed therein being provided within said main body, (3) a channel (C) being provided in the upper portion of said valve body for accommodating the lower end of a tapered ring (5) provided for supporting a plug, (P) an internal valve nut (8) secured at the end of said internal valve body (1) so as to stop the outwardly movement said plug, (P) a plunger (11) being provided in said central opening of said main body so as to push said plug (P) to get water supply, a cap nut (2) being provided to secure said main body (3) with said internal valve body (1) of the tap.

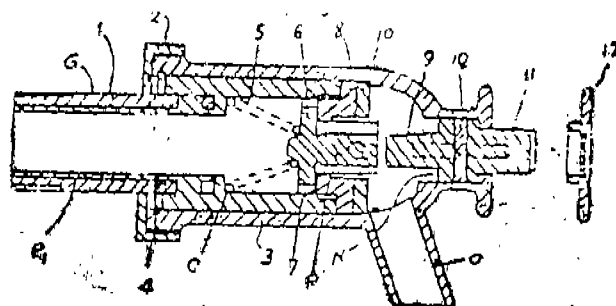


Fig. 1

(Complete Specification : 10 Pages; Drawing : 1 Sheet)

Ind. Cl. : 110

180404

Int. Cl. : B 05 C 1/04

"PROCESS FOR MANUFACTURING NEEDLED SPUNBONDS."

Applicant : POLYEELT GESELLSCHAFT M.B.H., OF ST PETER-STRASSE 25 A-4021 LINZ \$ AUSTRIA.

Inventors : HEINRICH SCHNEIDER, HEINZ BOCKSRUCKER, KARL MUHLBERGHUBER.

Application for Patent No. : 466/Del/91 filed on 30-5-1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

7 Claims

A process for manufacturing needled spunbonded from thermoplastic fibers, wherein thermoplastic fiber filaments are spun, stretched and formed in any conventional manner into a web, characterised in that the web is then :

- (a) thermally sealed at both surfaces, then;
- (b) provided with a conventional lubricant, and then;
- (c) consolidated by needling, whereby simultaneously the sintering at the crossing points of the filaments on the incipiently sealed web surface is undone again.

(Complete Specification : 11 Pages; Drawing Sheet : Nil)

Ind. Cl. : 40 B+F

180405

Int. Cl. : B 01 D 3/26

CATALYTIC DISTILLATION REACTOR.

Applicant : CHEMICAL RESEARCH & LICENSING COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF STATE OF TEXAS, UNITED STATES OF AMERICA, OF 10100 BAY AREA BOULEVARD, PASADENA, TEXAS 77507, UNITED STATES OF AMERICA.

Inventor : EDWARD M. JONES.

Application for Patent No. : 501/Del/91 filed on date 6-6-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

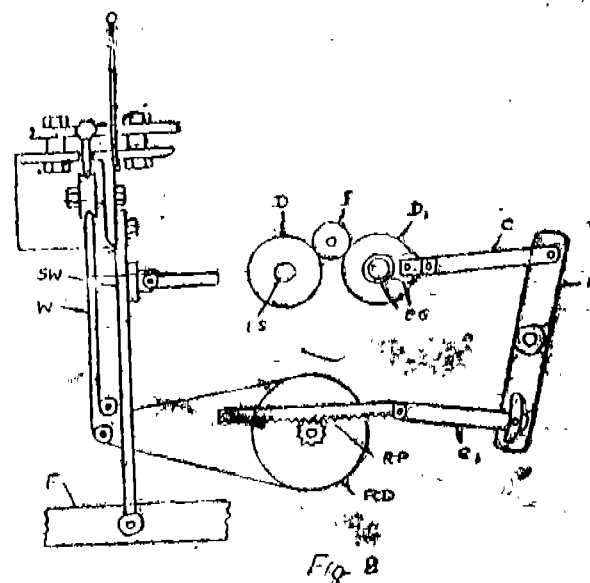
12 Claims

A distillation column reactor for carrying out catalytic distillation, comprising in combination :

- (a) a distillation column (10) for concurrently carrying out reactions and fractional distillation;

- (b) at least one reaction tray (110) disposed within said column, said reaction tray (110) having a liquid downcomer (150) and downcomer area (180) to receive liquid from above and a gas by-pass through said reaction tray (120);
- (c) said reaction tray (110) having support means for particulate catalyst to be retained immersed within the liquid on said reaction tray (110);
- (d) at least one vapor-liquid contacting means (120) disposed above said reaction tray (110) and said catalyst (108) within said column (110), said vapor-liquid contacting means (120) comprising,
 - (i) a liquid upcomer area (142) to receive liquid from said reaction tray (110);
 - (ii) a gas distribution chamber (130) below said vapor-liquid contacting means (120) in fluid communication with said gas by-pass;
 - (iii) a gas-liquid contact means (121) provided on said vapor-liquid contacting means (120) to promote fractional distillation on said vapor-liquid contacting means (120); and
 - (iv) an overflow weir (160) to maintain level on said vapor-liquid contacting means (120); and
- (e) a downcomer (160) from said vapor-liquid contacting means (120) to allow passage of the liquid thereon downward in said column by-passing said reaction tray.

(Complete Specification : 19 Pages: Drawing : 2 Sheets)



(Complete Specification : 18 Pages: Drawing : 5 Sheets)

Ind. Cl. : 140A-2

180407

Int. Cl. : B01F 17/00

A PROCESS FOR PREPARING A HIGH MOLECULAR WEIGHT ADDITIVE/DISPERSANT.

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE ESTATE OF OHIO, U.S.A., OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092 U.S.A.

Inventors : THOMAS FRIER STECKEL.

Application for Patent No. 524/Del/91 filed on 17-6-1991

Ante dated to 28-2-1986.

Divisional to Patent Application No. 178/Del/86 filed on 28-2-1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

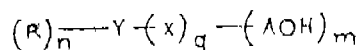
4 Claims

A process for preparing a high molecular weight additive dispersant, such as herein described which comprises reacting at a temperature in the range 110-160°C.

(I) at least one alkylphenol in which the alkyl group contains at least about 30 carbon atoms; with

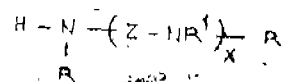
(II) at least one polyamine reactant derived from a hydroxyalkyl or hydroxyaryl compound of the formula II.

II



and an amine reactant of the formula III.

III



wherein R is independently hydrogen or hydrocarbyl, R' is hydrogen alkyl or NH_2R'' (NR''), wherein y ranges from 1 to

Ind. Cl. : 119 F-5

180406

Int. Cl. : D 03 D 45/00

A POWER LOOM.

Applicant : SHRI GAUR DHAM TRUST, A REGISTERED TRUST OF SHRI RADHAKUND, DISTT. MATHURA, U.P., INDIA.

Inventor : DAS SHRI NARHARI.

Application for Patent No. : 502/Del/91 filed on date 16-6-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A Power loom comprising a base frame having the side frames provided on either sides thereof, a slay pivotally mounted on side loom frame by means of slay swor, thread transferring means consisting of a feeding head and a receiving head being provided on either ends of said slay, characterised in that said thread transferring means being mounted on rapier rods secured with a wire rope of a the driving means such that to move towards each other and away from each other simultaneously, the feeding heads of the said thread transferring means comprises a mounting rod secured with said rapier rod by means of an allen screw, a shed piercing plate having a hole at its piercing end and a thread guide plate having a V groove being secured with said mounting rod, the receiving head of said thread transferring means comprises a mounting rod secured with the rapier rod by means of allen screw, a shed piercing plate and a spring loaded swinging hook being provided with said mounting rod so as to release the thread upon pressing the lever of the swinging hook by the limit pin secured with the top read holder.

6 and R" is an alkylene group of 1 to 10 carbon atoms, Y represents S, N, or O; X is an alkylene group of at least one carbon atom; A is hydrocarbyl; Z is alkylene of 1 to 10 carbon atoms, a heterocyclic nitrogen containing cycloalkylene or oxyalkylene of 1 to 10 carbon atoms, and wherein u is a whole greater than one, n is 0, 1 or 2 dependent upon m and q, where q is 0 or 1, m is 1, 2 or 3 and x is 1 to 10.

(Complete Specification 42 Pages; Drawing Sheet 51)

Int. Cl.⁴ : C 04 B, 33/36

180408

Ind. Cl. : 35 E

AN IMPROVED PROCESS FOR PREPARING SUPERIOR QUALITY WEAR RESISTANT CERAMICS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : SWAPAN KUMAR DAS.

Application for Patent No. 531/Del/91 filed on date 18-6-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

10 Claims

An improved process for preparing superior quality wear resistant ceramics which comprises :

- (a) Intimate wet mixing of the following raw materials in the proportion range of :

High purity calcined
—Al₂O₃ : 75—85% by weight

Alumino-silicate
minerals : 6—15% by weight

Talc : 3—5% by weight

With or without the following additives :

Bentonite : 0.5—1.0% by weight

Beneficiated pyro-
lusite : 2.0—3.0% by weight

MgO : 0.2—0.3% by weight

- (b) Drying the said wet mix by any known process, to reduce moisture content to < 0.5%.
- (c) Mixing of dry powder/granules with conventional liquid organic binder.
- (d) Compacting in the form of desired shapes using double acting hydraulic press.
- (e) Drying of shaped components.
- (f) Sintering/densification of the dried shaped components in an electrical or gas/oil operated furnace in a temperature range of 1550—1650°C with soaking period in the range of 2—4 hours.

(Complete Specification 14 Pages; Drawing Sheets Nil)

Ind. Cl. : 33 E

180409

Int. Cl.⁴ : C 08 L, 31/02

"A PROCESS FOR THE PREPARATION OF NOVEL ALKYL FUMARATE ALKYL ACRYLATE VINYL ESTER TERPOLYMER HAVING AVERAGE MOLECULAR WT OF 2000 TO 500,000 USEFUL AS POUR POINT DEPRESSANT AND FLUIDITY IMPROVER FOR WAXY CRUDE OILS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001.

Inventors : ARUN BORTEAKUR, NARAYAN CHANDRA LASKAR, RANJIT KUMAR MAZUMDER, KOSURU VENKATESWARA RAO, BULUSU SUBRAMANYAM.

Application for Patent No. : 537/Del/91 filed on 20-6-1991.

Complete left after provisional filed on 18-11-1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

- A process for the preparation of alkyl fumarate alkyl acrylate vinyl ester terpolymer having average molecular wt of 2000 to 500,000 useful as a pour point depressant and fluidity improver for waxy crude oil which comprises copolymerising a mixture of higher fatty alcohol esters of fumaric acid, higher fatty alcohol esters of acrylic acid where in alkyl groups have carbon atoms such as here in described in the ratio of 85:15 and vinyl ester of alkyl fatty acid having upto 3 carbon atoms to have 8—10% vinyl ester units in terpolymer in presence of conventional free radical polymerization catalyst in an amount of 0.5 to 1.0% of the total reaction mixture, and organic solvent using nitrogen blanket, at a temperature in the range of 80 to 85°C removing the unreacted solvent and vinyl ester under vacuum and recovering the resultant terpolymer useful as pour point depressant and fluidity improver by known methods such as here in described.

(Provisional Specification : 10 Pages; Drawing Sheets : Nil)

(Complete Specification : 11 Pages; Drawing Sheets : Nil)

Ind. Cl. : 32 F (2c)

180410

Int. Cl. 4 : A01N, 35/10

AN IMPROVED PROCESS FOR THE PREPARATION OF 2,4,4-TETRACHLOROBUTYRONITRILE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001.

Inventors : PRAMOD PRABHAKAR MOGHE,
ASHWINI VINAYAK POL,
KOTASTHANE MADHAV GOPAL.

Application for Patent No. 539/Del/91 filed on date 20-6-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved process for the preparation of 2,4,4,4-tetrachlorobutyronitrile which comprises homolytic addition of carbon tetrachloride to acrylonitrile in the presence of a catalyst selected from copper salts, and in the presence of an aprotic solvent at atmospheric pressure and at a temperature in the range of 25—118°, maintaining the reacting mixture at this temperature for a period ranging from 3 to 24 hrs, and distilling the reaction mixture under reduced pressure.

(Complete Specification 10 Pages; Drawing Sheets Nil)

Ind. Cl. : 128-G

180411

Int. Cl.⁴ : A 61 M 1/00

MEDIASTINAL DRAINAGE DEVICE.

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCE & TECHNOLOGY, BIO-MEDICAL TECHNOLOGY WING, SATELMOND PALACE, TRIVANDRUM-695012, KERALA, INDIA, AN INDIAN ORGANISATION.

Inventors : (1) HARIKRISHNAN VIJAYAKUMAR, (2) BALAKRISHNAN NAIR AJITKUMAR, (3) SEKHARA PILLAI VIJAYAN, (4) CHANDRAVILASOM PARAMESHWARAN NARAYANAN NAIR.

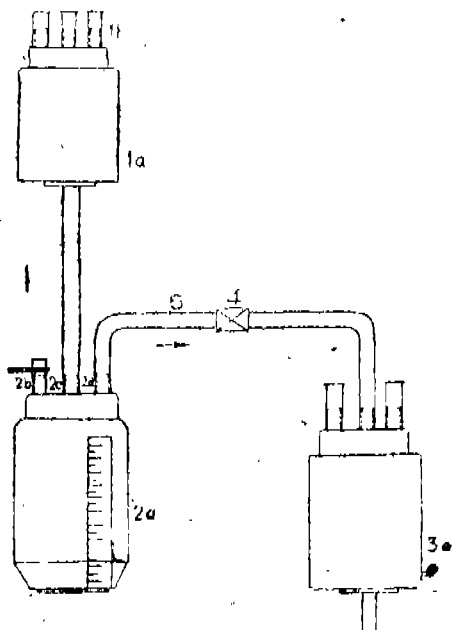
Application No. 725/Mas/91 dated October 7, 1991.

Complete Specification left : January 8, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

17 Claims

A mediastinal drainage device useful to drain blood and other exudates oozing out after surgery comprising a vacuum regulator connected to a collection system, said system having accessory for transfusion and drainage tube the vacuum regulator having a regulator top provided with a tubular extension on one side while the other side is free of any tubular portion, said regulator top being housed on a bottom component with the tubular extension facing away from the same bottom component having a float compartment with a float or recess therein on one end and accommodating a float member which has a plurality of through openings or holes across its body, while the other end of the bottom component has a filter compartment in the form of a recess and accommodates a filter material therein, the said two recesses in the bottom component being inter-connected, said collection system having a plurality of collection containers such as bottom bottles interconnected to one another, one being a direct-collection bottle, said collection system being connected to the vacuum regulator through a buffer chamber on one end while the other end of the collection system is connected to a cutoff filter chamber, the arrangement being such that the oozing blood or other liquid is sucked off from the operation zone like chest cavity by the vacuum applied through the cutoff filter chamber and is collected in the collection system from where it can be reused on the patient.



(Prov. : 10 pages; Com. : 16 pages; Drawgs : 2 sheets)

Ind. Cl. : 72 E

180412

Int. Cl.⁴ : B 65 H 75/02

"METHOD AND DEVICE FOR PRODUCING A RESERVE THREAD AND ON A CROSS-WOUND BOBBIN."

Applicant : SCHUPPER & SALZER MASCHINENFABRIK AG. POSTFACH 260 8070 INGOLSTADT, GERMANY.

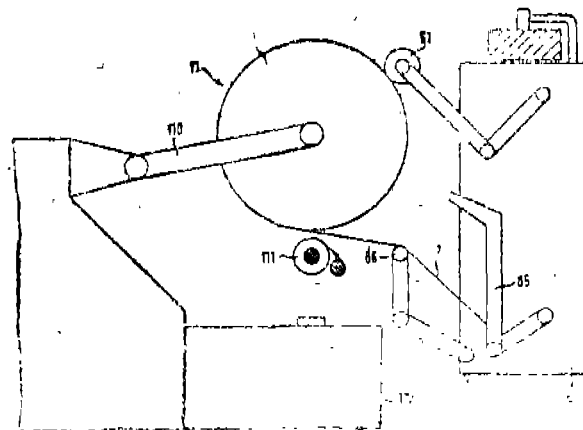
Inventor : 1. GREIS, DIETMAR, 2. MAYER, WALTER.

Application No. : 753/Mar/91 filed on 7th Oct 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

23 Claims

A method of producing a reserve thread end on a cross-wound bobbin, the thread being guided over the outer surface of the cross-wound bobbin and then back again onto the said outer surface after a specific diameter of the bobbin or quantity of the thread has been attained, characterized in that before the thread is guided down from the outer surface of the bobbin it is deposited on the bobbin in a definite manner and it is brought into contact with the sleeve, and the contact occurs in the region of a change in the diameter of the sleeve, so as to prevent the reserve thread from being separated.



(Com. : 26 Pages;

Drawgs. : 6 Pages)

Ind. Cl. : 129-J

180413

Int. Cl.⁴ : B 21 b 1/00

A PLANT AND A METHOD FOR CONTINUOUS PRODUCTION OF HOT ROLLED STAINLESS STRIP WITH IMPROVED QUALITY.

Applicant : T. SENDZIMIR INC., 269 BROOKSIDE ROAD, WATERBURY, CONNECTICUT 06721, U.S.A.

Inventors : MICHAEL GEORGE SENDZIMIR AND JOHN WILLIAM TURLEY.

Application No. : 754/Mas/91, filed on 7th October, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

09 Claims

A Plant for continuous production of hot rolled stainless steel strip with improved quality comprising an uncoiler for uncoiling the hot rolled stainless steel coils; a shear to cut the coil ends and prepare them for welding; a welder to join the ends of the successive coil; a cold rolling mill for reducing the thickness of the hot rolled steel strip; an entry storage loop to provide the strip to annealing section when the uncoiler is stopped for loading a new coil and welding its nose to the tail of the previous coil; an annealing section to soften

the strip after its thickness has been reduced; a pickling section to remove impurities from and to clean the strip; an exit storage loop to draw material from the pickling section; an exit shear for cutting the tail end of the strip on wound coil, and a rewinder for rewinding the strip drawn from the pickling section.

(Comp. : 20 Pages;

Drawings : 03 Sheets)

Ind. Class : 55-F

180414

Int. Cl. : A 61 K 6/60.

"PROCESS FOR THE PREPARATION OF AN IMPROVED DENTAL PASTE".

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, SATELMOOND PALACE, POOJAPURA, TRIVENDRUM-695 012, KERALA, INDIA, AN INDIAN ORGANISATION.

Inventors : (1) SATYENDRA NATH PAL, INDIA.

(2) VENKATESWARAN KALYAA KRISHNAN, INDIA.

(3) ASHIMA VALLATHAN, INDIA.

(4) SHEELA MANIKANTAN SAVITTHRI AMMA, INDIA.

(5) KRISHNA TAMARESELVY, INDIA.

Application & Provisional Specification No. : 774/Mas/91 dated April 16, 1992.

Application & Provisional Specification No. : 774/Mas/91 Post-dated to April 16, 1992 under Section 17(1) of the Patents Rules, 1972.

Complete Specification left : May 18, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

15 Claims

A process for preparing an improved dental paste for use in the preparation of dental filling cement for instant application, which comprises in the steps of mixing an organic oligomer, such as Bisphenol A-glycidyl methacrylate and a thinner selected from monomers, such as triethylene glycol dimethacrylate, adding to said mix inorganic fillers selected from silica, quartz, borosilicate glass, zirconia, barium or strontium or lanthanum glasses, thereafter incorporating a peroxide compound, preparing a through blend of the ingredients to ensure the formation of said paste.

Agents : M/s. L.S. Davar & Co.

(Prov. : 6 pages;

Com. : 11 pages)

Ind. Cl. : 65 B 1, 3

180415

Int. Cl. : H 01 F—41/00.

"A METHOD FOR MANUFACTURING TRANSFORMERS WITH AN AMORPHOUS CORE".

Applicant : DATHEN CORPORATION, A CORPORATION OF JAPAN OF 1-11, TAGAWA 2-CHOME, YODOGAWA-KU, OSAKA-SHI, OSAKA, JAPAN.

Inventors : (1) KATSUMI HANAOKA,

(2) MASATAKO KOKADO,

(3) MASATAKO HIRAI,

(4) TAKESHI UCHIKURA,

(5) NOBUYUKI SUMIDA,

(6) SYOICHI SHII,

(7) KOUICHI AKIMOTO,

(8) TADANORI MATSUBAYASHI

(9) TOSHIKO FUJIWARA,

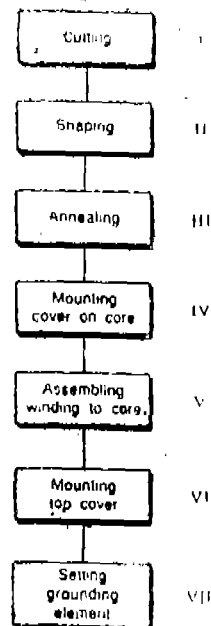
(10) YASUO YAMAMOTO.

Application No. : 780/Mas/91 filed on 16th Oct., 1991.

Appropriate Office for Opposition Proceedings (Rule Patents Rules, 1972). Patent Office, Chennai Branch.

6 Claims

A method of manufacturing transformers with an amorphous core, comprising the steps of : (a) forming a ring-like lamination body by winding a thin strip of an amorphous magnetic alloy around a mandrel; (b) cutting said lamination body off in a radial direction thereof using a grindstone cutter and a gas coolant to form a developed lamination body; (c) shaping said developed lamination body into a core of a substantially rectangular configuration by jointing cut ends of said lamination body; (d) magnetic-annealing said core; (e) inserting leg portions of said core into windows of winding after opening a joint section thereof and thereafter, jointing the opened joint section again; (f) covering said core as a whole with an insulation cover comprised of a first insulation cover for covering said core except for the yoke thereof including the joint section, and a second insulation cover for covering said yoke including the joint section, said first cover is mounted on said core before executing step (e) and said second cover is mounted on said remaining yoke after completion of step (e); and (g) mounting a ground plate of a conductive material on said insulation cover to ground said core covered by said insulation cover.



(Com. : 31 pages;

Drwgs. : 19 Sheets)

Ind. Cl. : 116 H

180416

Int. Cl. : B 66 C 23/00.

"A QUICK-CONNECT SYSTEM FOR SECTIONAL BOOM MEMBERS FOR CRANES AND THE LIKE".

Applicant : THE MANITOWOC COMPANY, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 500 SOUTH 16TH STREET, MANITOWOC, WISCONSIN 54221-0066, U.S.A.

Inventors : (1) DAVID J PECH.

(2) WAYNE W BEEBE,

(3) TERRY CASAVANT,

(4) JOHN LANNING,

(5) PALU M PUKITA,

(6) MICHAEL J WANEK.

Application No. : 789/Mas/91 filed on 21st October, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A Quick-connect system for sectional boom members for cranes and the like wherein the sectional boom members comprise at least three chords with intermediate lacing elements, each chord terminating in an end configured to abut against an end of a chord of the adjacent sectional boom member, the quick-connect system comprising :

- (a) a first lug secured to one end of a first chord of a first sectional boom member, the first lug comprising a vertical pin, and
- (b) a second lug secured to the end of a chord on a second sectional boom member abutting said first chord, the second lug comprising a horizontally extending element having an elongated hole there-through configured to allow said first and second lugs to be interconnected through rotational engagement about a horizontal axis perpendicular to the length of the boom.

(Com. : 24 pages;

Drwgs. : 8 Sheets)

Ind. Cl. : 34-A

180417

Int. Cl. : B 29 D 7/00.

"A PROCESS FOR PREPARING A FILM OR SHEET MATERIAL".

Applicant : HIMONT INCORPORATED, A DELAWARE CORPORATION, 2801, CENTERVILLE ROAD, P.O. BOX 15439, WILMINGTON DELAWARE 18950-5439, U.S.A.

Inventor : KUMAR OGALÉ.

Application No. : 806/Mas/91 dated October 23, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A process for preparing a film or sheet material comprising blending :

(1) from 5 to 45% of a crystalline propylene polymer composition which is prepared by sequential polymerization of the relevant monomers in at least two stages such that the components (i)(A) and (i)(B) and the components (ii)(A) and (ii)(B) are prepared in separate stages in either order, operating each subsequent stage in the presence of the polymer and the catalyst used in the preceding stage, which composition is comprised of, by weight;

(i)(A) from 30 to 65% of a copolymer consisting essentially of propylene with a C_{10} alpha-olefin containing from 80 to 98% propylene, and

(B) from 35 to 70% of a copolymer consisting essentially of propylene with ethylene having an ethylene content of 5 to 10%; or

(ii)(A) from 45 to 65% of a copolymer consisting essentially of propylene with a C_{10} alpha-olefin containing from 80 to 98% propylene, and

(B) from 35 to 55% of a terpolymer of propylene with ethylene and a C_{10} alpha-olefin having an ethylene content of 0.5 to 5%, a C_{10} alpha-olefin content of 1 to 9.5%, wherein the total content of ethylene and C_{10} alpha-olefin is from 2 to 10%;

with

(2) from 9 to 55% of a crystalline homopolymer of a C_{10} alpha-olefin monomer or of a copolymer of propylene with ethylene or of a copolymer of propylene with a C_{10} alpha-olefin monomer or of a copolymer of propylene with ethylene and C_{10} alpha-olefin, provided that, when said copolymer is a copolymer with ethylene, the maximum polymerized ethylene content thereof is 10%, and when said

copolymer is a copolymer with a C_{10} alpha-olefin, the maximum polymerized content thereof is 20%;

and forming a filter or sheet material from the resulting blend.

(Com. : 32 pages)

Ind. Cl. : 127-G

180418

Int. Cl. : F 16 H 1/28

INFINITELY VARIABLE AUTOMATIC GEAR SYSTEM.

Applicant & Inventor : PARAG CHANDRAGUPTA PRASAD, KAILA KUNJ ENGINEERING COLLEGE P.O., TRIVANDRUM-695 016, INDIA. AN INDIAN NATIONAL.

Application No. : 807/Mas/91 dated October 24, 1991.

Complete Specification left : January 29, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

An infinitely variable automatic gear system for use in any motor vehicle comprising a main clutch adapted to be connected to the output of an engine and the shaft of a first sun wheel rotatably engaged with a first pair of big planet wheels mounted on the respective shafts thereof and having a small planet wheel secured therewith respectively, a second sun wheel mounted on another shaft being connected rotatably with the pair of said small planet wheels a third sun wheel mounted on the opposite end of same shaft of the second sun wheel being engaged with a fourth sun wheel through another pair of planet wheels having a big and small planet wheels secured therewith respectively, said pairs of planet wheels mounted rotatably on the planet carrier arm, a second clutch being provided on the other end of said wheels for coupling the another velocities of planet wheels and sun wheels and to transmit the same to the gear selector box having an output adapted to be connected to road driven wheels of the motor vehicle.

(Prov. : 5 Pages; Com. : 16 Pages; Drwg. : 1 Sheet)

Ind. Cl. : 32-F(6)

180419

Int. Cl. : C 07 C 102/08

A PROCESS FOR PRODUCING AN ALKOXYIMINO-PHENYL ACETIC ACID DERIVATIVE.

Applicant : SHIONOGI & CO. LTD. OF 18, DOSHOMACHI 13-CHOME, CHUO-KU, OSAKA-SHI, OSAKA-KU JAPAN JAPANESE COMPANY.

Inventors : (1) AKIRA TAKASE, (2) HIROYUKI KAI, (3) MORIYASU MASUI, (4) KAZUO UEDA, (5) TSUNEO IWAKAWA.

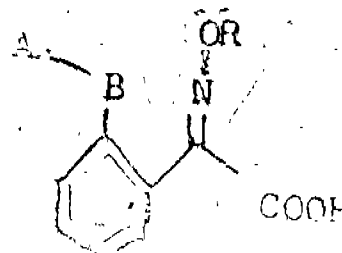
Application No. : 575/Mas/95 dated Mar 16, 1995.

Divisional to Patent Application No. : 170/Mas/94; Antedated to March 10, 1994.

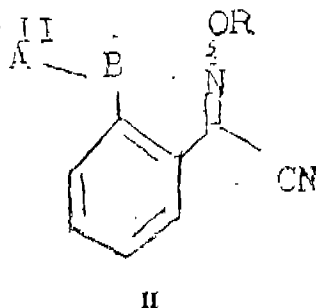
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A process for producing alkoxyiminophenyl acetic acid derivatives of the formula III



wherein A is hydrogen, lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy cyclo (lower) alkyl, cyclo (lower) alkenyl optionally substituted phenyl, or an optionally substituted heterocyclic group B is $-\text{CH}_2-$, $-\text{O}-$, $-\text{S}-$, $-\text{CH}(\text{OH})-$, $-\text{CO}-$, $-\text{NR}^2$, wherein R^2 is hydrogen or lower alkyl, $-\text{CH}_2-\text{CH}_2-$, $-\text{CH}-\text{CH}-$, $-\text{C}(\text{C})_2-$, $-\text{CH}_2-\text{O}-$, $-\text{CH}_2\text{S}-$, $-\text{CH}_2\text{S}(\text{O})-$, $-\text{OCH}_2-$, $\text{S}(\text{O})\text{CH}_2-$, $-\text{S}(\text{CH}_2)-$ or epoxy and R is lower alkyl comprising reacting the corresponding cyanide of the formula II



wherein A, B and R are as defined hereinabove with a base such as alkaline or alkaline earth metal hydroxides, carbonates, and alkoxides and isolating the compound of the formula III from the reaction mixture by known means.

(Com. : 60 pages)

Ind. Cl. : 83-A5 & B5

180420

Int. Cl.⁴ : A 23 L 1/00

A PROCESS FOR PRODUCING A SPOONABLE, POURABLE FOOD DRESSING COMPOSITIONS.

Applicant : CPC INTERNATIONAL INC., A DELAWARE CORPORATION, INTERNATIONAL PLAZA, PO BOX 8000, ENGLEWOOD CLIFFS, NEW JERSEY 07632, U.S.A.

Inventors : (1) JOHN PATRIC BRICKSON, (2) MARY DEBORAH MEINERS.

Application No. : 644/Mas/95 dated Ma 30, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A process for producing a spoonable pourable, food dressing composition such as mayonnaise comprising adding upto 1% by weight of glucono-delta-lactone to a known food dressing composition and optionally adding acetic acid in sufficient quantity to lower the pH to 3.5 or less.

(Com. : 33 pages)

Ind. Cl. : 32 B

180421

Int. Cl.⁴ : C 10 G 1/00

"A METHOD FOR EXTRACTING HYDROCARBON FROM A SUBTERRANEAN FORMATION."

Applicant : UNION OIL COMPANY OF CALIFORNIA, A CALIFORNIA CORPORATION OF 1201, WEST 5TH STREET, LOS ANGELES, U.S.A.

Inventors : 1. RICHARD D. HUTCHINS, 2. BURTON B. SANDIFORD, 3. HOAI T. DOVAN.

Application No. : 888/Mas/1991 filed on 3rd December, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A method for extracting hydrocarbons from a subterranean formation, comprising the steps of :

(a) injecting into at least a portion of a subterranean formation a composition comprising a crosslinking agent, one or more ingredients selected from the group consisting of cross-linking agent, one or more ingredients selected from the group consisting of cross-linkable polymers and monomers capable of polymerizing to form a crosslinkable polymer, and optionally, a gas precursor;

(b) allowing the composition to form the gel;

(c) forming gas-containing pathways in the gel by injecting a gas into at least a portion of the gel has gas-containing pathways therein and/or subjecting the gas precursor to known conditions that convert at least a portion of the gas precursor into a gas during at least a portion of step (b) so that at least a portion of the gel has gas-containing pathways therein; (d) recovering the hydrocarbons from the subterranean formation in a known manner.

(Comp. Specn. : 53 pages;

Drwg. : 2 Sheets)

Ind. Cl. : 179-E.

Int.Cl. : B 53 D —53/00 and 55/00

AN IMPROVED SEAL.

Applicant : E. J. BROOKS COMPANY, (A NEW JERSEY CORPORATION), 164-N, 13th STREET, NEWARK, NEW JERSEY-07107, U.S.A.

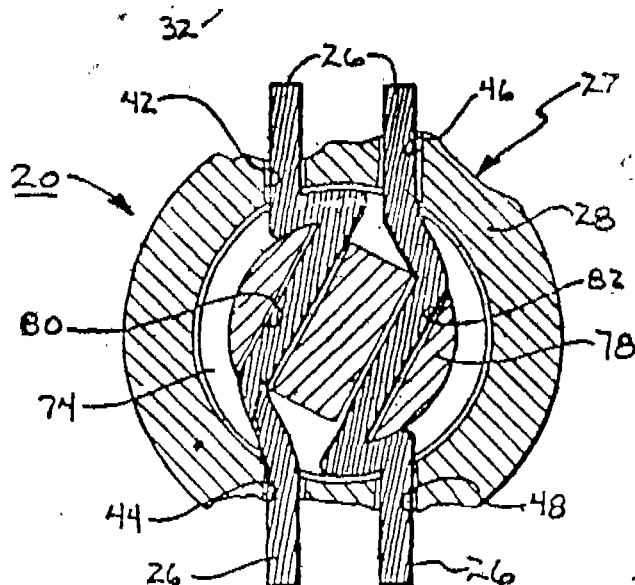
Application No. : 897/Mas/1991, filed on 5th December, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

An improved seal of the type having a flexible wire insertable through an item to be secured, the seal being non-removably affixable to the wire preventing opening of the secured item without providing a visual indication of such an attempt for opening; wherein the improvement comprises: a walled housing defining a chamber and having first and second aligned bores formed therethrough on opposite sides of the chamber; a rotor conformally receivable in the chamber and having a third bore therethrough first holding means for holding the rotor partially inserted in the chamber with the third bore coplanar with the first and second bores, for keeping the bores in the housing and the partially inserted rotor aligned for receiving the wire through all the bores and for permitting the partially inserted and held rotor and the housing to be relatively rotated after insertion of the wire through the bores for partial wrapping and deformation of

the received wire about the rotor; and a second holding means for holding the rotor fully inserted in the chamber after the wire is wrapped and deformed preventing relative rotation of the fully inserted rotor and the housing.



(Comp. : 24 Pages;

Drgs. : 05 Sheets)

Ind. Cl. : 203

180423

Int. Cl.⁴ : B 65 H 54/00

AN AUTOMATIC CAM MECHANISM TO WIND OR ROLL A FIXED LENGTH OF THIN MATERIAL, IN MULTIPLE PACKAGES.

Applicant : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, OF COIMBATORE AERODROME P.O., COIMBATRE-14, INDIA, AN INDIAN BODY.

Inventors : (1) TARAKAD VEDAMURTHY RATNAM, (2) AYIKUDY RAMASUBRAMANIA KALYANARAMAN, (3) RAMASWAMY PRAKASAM.

Application No. : 903/Mas/91 dated December 9, 1991.

Complete Specification left : February 8, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

An automatic cam assembly for winding filaments over swifts comprising a cam (1a) provided with a plurality of steps, a cam follower, a cam shaft and a system of helical gears and guides the said cam rotatable through a predetermined angle, the number and the length of the steps provided on the said cam depending on the number and the size of the packages to be wound, the said cam follower movable along the steps as the cam rotates.

(Prov. : 7 pages; Com. : 8 pages; Drwgs. : 4 sheets)

Ind.Cl. : 22

180424

Int. Cl.⁴ : B 65 D 23/10

"AN INJECTION- ORIENTATION- BLOW- MOULDED BOTTLE."

Applicant : A K TECHNICAL LABORATORY INC. A COMPANY OF JAPAN, OF 4963-3 OHAZAMINAMIJO, SAKAKIMACHI, HANISHINAGUN, NAGANO-KEN, JAPAN.

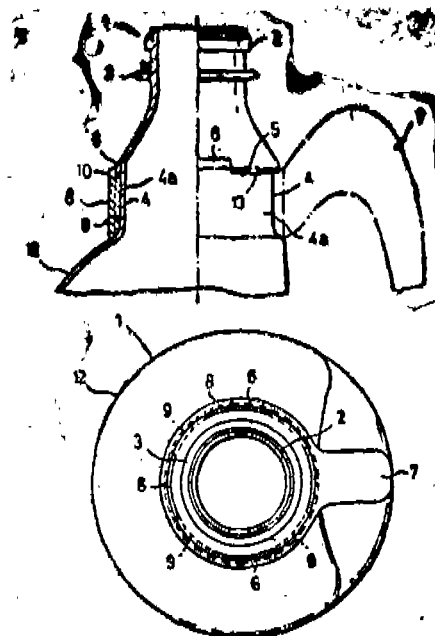
Inventor : I. SETSUYUKI TAKEUCHI.

Application No. : 913/Mas/91 filed on 12-12-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

An injection-orientation-blow-molded bottle with an ear comprising; a mouth portion; a body disposed below said mouth portion; a mounting groove formed at a predetermined height on said body below said mouth portion, said mounting groove having a predetermined width in an outer periphery and an upper edge formed to have a plurality of notches at equal intervals; and a mounting ring integrally formed with a bent end of said ear, said mounting ring have a plurality of internally projecting surfaces aligning with said notches of mounting groove.



(Com. : 17 pages;

Drwgs. : 5 sheets)

Ind. Cl. : 59 A, B, 101 B and 184.

180425

Int. Cl. : E 03 f 5/02, E 04 h 5/06 and F 16 j 13/00.

AN INSPECTION CHAMBER FOR USE IN SEWAGE LINES.

Applicant : SHEILA SRI PRAKASH OF SHILPA, 16, IIND CRESCENT PARK ROAD, GANDHI NAGAR, CHENNAI-600 020.

Inventor : SHEILA SRI PRAKASH OF SHILPA.

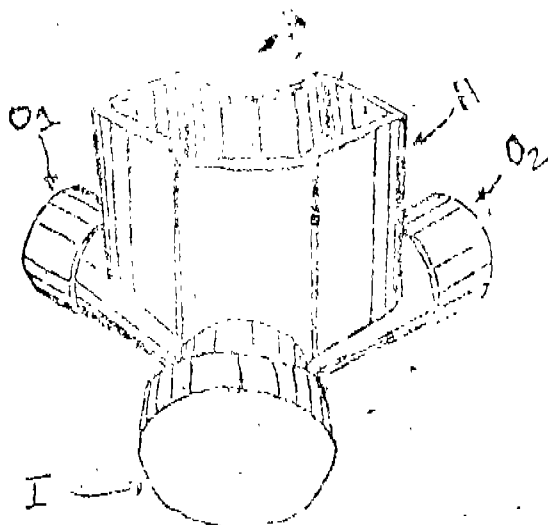
Application No. : 917/Mas/91, filed on 13th December, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

02 Claims

An Inspection chamber for use in sewage lines comprising a hollow moulded plastic body open at its top and closed at its sides and base; a plastic inlet pipe integrally attached to the said body, during moulding, for entry of sewage from a source into the body there through characterised in that a plurality of plastic outlet pipes are also integrally attached to the body, during moulding, for exit of sewage from the body through one of such outlet pipes into a sludge pit, the discharge ends of the other outlet pipes being in a closed

state, during moulding; and the base of the body is provided with channel portions aligned with the inlet pipe and the respective outlet pipes.



(Comp. : 07 Pages)

Drawing : 01 Sheets)

Ind. Cl. : 36-A1

180426

Int. Cl.⁴ : F 04 C 29/00

WATER-COOLED MONOBLOCK PUMP.

Applicant & Inventor : KRISHNASWAMY NAIDU
SAMPATH KUMAR, AN INDIAN CITIZEN, C/o M/S.
TURBO MACHINES COMPANY, BHARATHI PARK
CROSS ROAD, NO. 7, POST BOX NO. 2725, COIMBA-
TORE-641011, TAMIL NADU, INDIA.

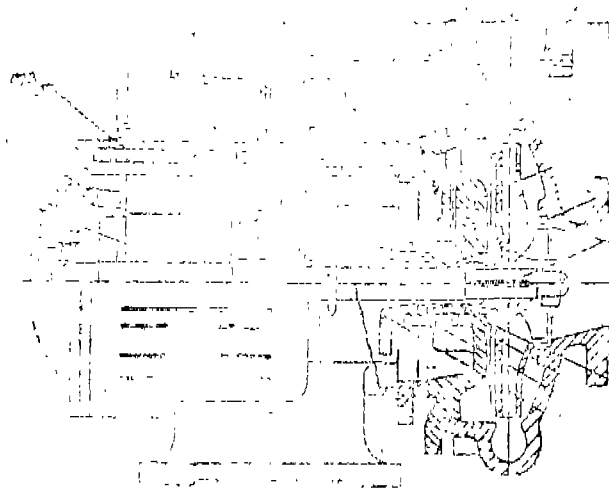
Application and Provisional Specification No. 923/Mas/
91 dated December 17, 1991.

Complete Specification left : February 9, 1993.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A water cooled monoblock pump wherein the body of the motor is provided with a chamber, the said chamber having an inlet and an outlet, the said inlet being connected to the outlet of the pump to allow a portion of the pumped water to flow into the said chamber and to circulate there-through before passing out through the outlet, thereby cooling the motor housed in the said body.



(Prov. 5 pages; Com. 6 pages; Drawgs. 3 sheets)

Ind. Cl. : 129 G, 146 C, D1

180427

Int. Cl.⁴ : G 01 D 3/00

AN ABSOLUTE POSITION DETERMINATION SYSTEM.

Applicant : MITUTOYO CORPORATION, OF 31-19,
SHIBA 5-CHOME, MINATO-KU, TOKYO, JAPAN, A
JAPANESE COMPANY.

Inventors :

- (1) NILS INGVAR ANDERMO
- (2) TRACY E HANLEY
- (3) PHILIPS LANE.

Application No. 927/Mas/91 filed on 18th December
1991.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Chennai Branch.

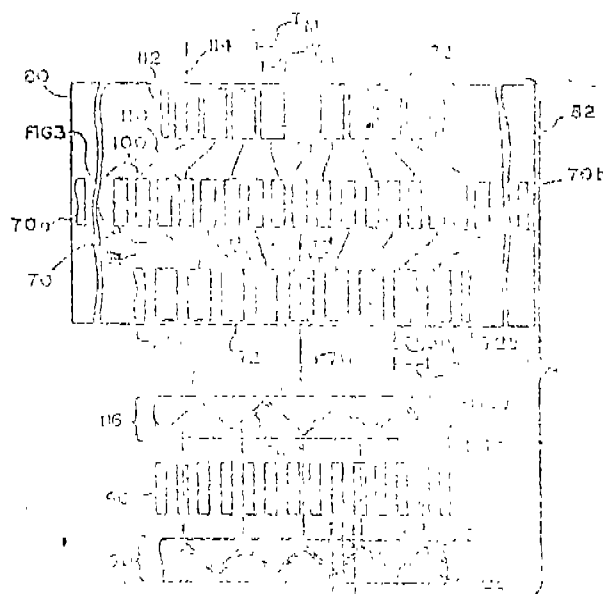
11 Claims

An absolute position determination system, comprising :
a scale portion having first and second regular patterns
combined into a single integrated scale pattern, wherein
the first and second patterns are constructed from mate-
rials which interact with first and second interrogating sig-
nals or qualitatively different types;

a transceiver portion having first and second transmission
means for transmitting the first and second interrogating
signals to the scale, and also having first and second re-
ceiving means for receiving the interrogating signals after
interaction with the scale; support means for movably
supporting the scale and transceiver portions relative to
each other.

signal generating means, connected to the transceiver por-
tion for generating the first and second interrogating sig-
nals; and

signal processing means electronically coupled to the first
and second receiving means, for processing the interro-
gating signals after interaction with the scale to determine
the relative positions of the scale and transceiver portions
within a pre-determined error margin.



(Com. Specn. 48 Pages;

Drwg. 11 Sheets)

Ind. Cl. : 129 O, B

180428

Int. Cl. : B 21 J 13/00; B 30 15/34

AN UPSETTING PRESS AND METHOD FOR PRODUCING ROLLED MATERIAL WITH REDUCED WIDTH.

Applicant : SMS SCHLÖMANN-SIEMAG-AKTIENGESELLSCHAFT, OF EDUARD-SCHÖLEMAN-STRASSE 4, 4300, DUSSELDORF 1, GERMANY. A GERMAN COMPANY.

Inventor : GERHARD HEINZE.

Application No. 931/Mas/1991 filed on 23rd December, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

An upsetting press for the width reduction of rolled material, particularly of the width of slabs in hot-rolled wide strip roughing trains, the said upsetting press having two tool carriers arranged on both sides of the slab, the said tool carriers receiving the pressing tools and being movable relative to each other, each pressing tool having a front edge, the improvement comprising the said upsetting press is provided with at least one cooling agent nozzle directed toward the front edge of each pressing tool.

(Com. Specn. 20 pages;

Drwgs. 4 sheets)

Ind. Cl. : 107 G

180429

Int. Cl. : F 02 B 41/00

A FUEL ECONOMISER FOR MOTOR VEHICLES.

Applicant : LUCAS-TVS LIMITED, PADI, CHENNAI-600050, TAMIL NADU, INDIA. A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors :

- (1) KRISHNAVILASAM RAGHAVAN
ANANDAKUMARAN NAIR
- (2) RAMACHANDRAN VENKATARAMANAN
- (3) REVANUR HARINDRANATH SUDHAKAR
- (4) SIVARAMAKRISHNAN NATARAJAN.

Application No. 935/Mas/1991 filed on 24th December, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A fuel economiser for motor vehicles comprising a sensing unit connected to a control unit, the input to the sensing unit being derived from the ignition coil for sensing the engine rpm, while the output from the control unit is delivered to anti-dieseling valve means of the carburettor; electrical contact means provided for the throttle and included in the sensing unit/control unit circuit, said contact means being actuated, whenever the throttle is closed, the arrangement being such that the sensing unit is calibrated to activate the control unit only when the rpm of the engine exceeds a predetermined value, with the said contact means in the actuated state, the control unit, when activated, means operating the said valve means to close the idling fuel-passage of the carburettor.

(Com. Specn. 10 pages;

Drwg. 1 sheet)

Ind. Cl. : 136-E, 146-D3

180430

Int. Cl. : G02B 1/04

METHOD AND APPARATUS FOR MAKING A PLASTIC LENS.

Applicant : Q 2100 INC., AN INSTITUTION ESTABLISHED AND EXISTING ACCORDING TO THE CONSTITUTION OF THE STATE OF DELAWARE, U.S.A., OF 44115 POPLAR LEVEL ROAD LOUISVILLE, KENTUCKY 40233, U.S.A.

Inventors :

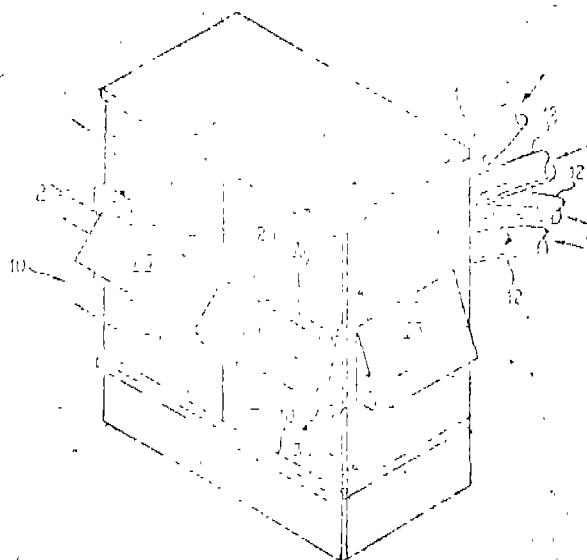
- (1) OMAR M. BUAZZA
- (2) STEPHEN C LUTKE
- (3) JOHN J. ROBINSON
- (4) N. THORNTON LIPSCOMB.

Application No. 943/Mas/91 filed on 27th December, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

59 Claims

A method for making a plastic lens, comprising the steps of : placing a known polymerizable lens forming material in a mold cavity defined in part between a first mold member and a second mold member, wherein the height of the mold cavity varies across the diameter of the cavity; directing ultraviolet rays towards at least one of the first or second mold members; and cooling the first mold member and the second mold member with a fluid at a temperature of between 0° and less than 20°C.



(Com. Specn. 98 Pages;

Drwg. 06 Sheets)

Ind. Cl. : 56 E

180431

Int. Cl. : C 09 F 5/12

A METHOD OF PREPARATION OF A FLUID FOR USE IN THE FLOW TESTING OF CARBURETTORS.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, P.O., MADRAS-600036, TAMIL NADU, INDIA AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT.

Inventors :

- (1) YALAMANCHILI BALAGANGADHARA
VARMA
- (2) KRISHNAN KRISHNA MURTHY.

Application No. 001/Mas/92 filed on 3rd Jan. 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A method of preparation of a fluid for flow testing of carburettors comprising the steps of distilling commercially available turpentine at 154°C under 18" Hg and discarding the entire condensate which distills over at this temperature; further heating the turpentine between 154°C to 188°C under 18" Hg and collecting the middle fraction thus obtained under these conditions.

(Com. 6 Pages;

Drwgs. Nil)

Ind. Cl. : 163 D

180432

Int. Cl. : F 04C 18/00.

A SCROLL COMPRESSORS HAVING SWING-LINK RADIAL COMPLIANCE DRIVE MECHANISMS.

Applicant : TECUMSEH PRODUCTS COMPANY, OF 100 EAST PATTERSON STREET TECUMSEH, MICHIGAN 49286, USA., A UNITED STATES COMPANY.

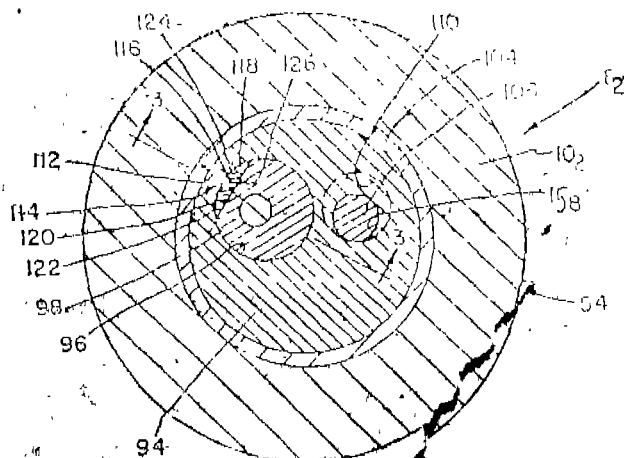
Inventor : (1) HUBERT RICHARDSON JR.

Application No. 6/Mas/92 filed on 6th January, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A scroll compressor (10) having swing-link radial compliance drive mechanisms, said compressor comprising a housing (12); a crankshaft (40) rotatably disposed within said housing, said crankshaft having an eccentric portion (98); a scroll compression means (28) for compressing refrigerant disposed in said housing said scroll compression means having a fixed scroll wrap (52) and an orbiting scroll wrap (54); radial compliance means (82) for imparting orbiting motion to said orbiting scroll wrap, said radial compliance means operally connected to said crankshaft eccentric portion and said orbiting scroll wrap, said radial compliance means having roller means (94) for engaging said eccentric portion; characterized by bearing means for distributing frictional forces between said crankshaft eccentric portion & said roller means at a line of force being generally tangential to said orbiting motion, said bearing means disposed in a bearing cavity (118) defined by a planar surface (122) of one of said crankcase eccentric portion and said roller means, said cavity also defined by an arc surface (120) of the other of said crankcase eccentric portion and said roller means, said bearing means having a wedge (116) having a flat surface (126) engaging said planar surface and an arcuate surface (124) engaging said arc surface whereby chattering vibration which occur during rotation of said crankshaft at said line of force are translated to sliding motion of said bearing means of said planar surface.



(Com. : 18 Pages;

Drwgs : 2 sheets)

Ind. Cl. : 163 D

180433

Int. Cl. : F 04C 118/00

A COMPRESSOR.

Applicant : TECUMSEH PRODUCTS COMPANY, A U S COMPANY, OF 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN-49286, U.S.A.

Inventors :

(1) HUBERT RICHARDSON

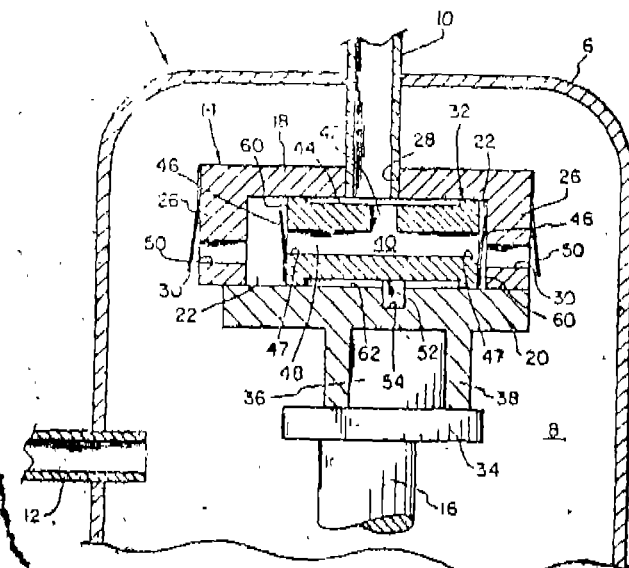
(2) GEORGE W. GATECLIFF.

Application No. 007/Mas/92 filed on 6th January, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A compressor (4) comprising : a hermetically sealed housing (6) having an inlet (10) and an outlet (12); an orbiting plate (20) disposed within said housing; driving means (36) for causing said orbiting plate to orbit; a compressing chamber (18) fixedly attached to said housing; piston means (32) for compressing refrigerant in said compressing chamber, characterized in that piston means slidably engages said orbiting plate for relative rectilinear movement in a first direction (58), said piston means being disposed within said compressing chamber and movable within said compressing chamber in a second direction (56), said second direction being perpendicular to said first direction, said piston means being keyed to said orbiting plate to be driven by said orbiting plate in said second direction, so that said piston means moves in said second direction when said driving means causes said orbiting plate to orbit; further characterized by first valve means (46) for selectively providing fluid communication between said inlet and said piston means; and second valve means (50) for selectively providing fluid communication between said piston means and said outlet.



(Comp. Specs. 13 pages;

Drwg. one sheet)

Ind. Cl. : 39-D&E

180434

Int. Cl. : C 01 F 1/00; 5/14

A PROCESS FOR THE RECOVERY OF MAGNESIUM HYDROXIDE AND CALCIUM CARBONATE FROM CHLOR-ALKALI PLANT WASTE.

Applicant : CHEMFAB ALKALIS LIMITED, GNANA-NANDA PLACE, CALAPET, PONDICHERY-605014, INDIA, A COMPANY FULLY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventor : K. GURUMOORTHY.

Application No. 13/Mas/92 dated January 8, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for the recovery of magnesium hydroxide and calcium carbonate from chlor-alkali plant waste characterised by converting the insoluble magnesium and calcium, present in the said waste, into soluble form, by treatment with hydrochloric acid of concentration 24%–32% and separating the reaction slurry therefrom by filtration; and further characterised by the differential precipitation and removal of magnesium hydroxide and calcium carbonate from the filtrate by treating the same successively with (1) 20–30 gms of sodium hydroxide solution per 1000 gms of filtrate, said sodium hydroxide solution being of concentration of 30–32% or 48% and with (2) 33 to 59 gms of sodium carbonate solution per 1000 gms of filtrate, said sodium carbonate solution being of concentration 10%–12% the remainder, containing sodium chloride in solution, being recycled to the saturator of the said chlor-alkali plant.

(Com. 8 pages;

Drwgs. 1 sheet)

Ind. Cl. : 140 A 2 and 32 C.

180435

Int. Cl.⁴ : C 10 M 143/12.

AN OIL COMPOSITION.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. OF CAREL VAN BYLANDT LAAN 30 2596, HR THE HAUGE, A NETHERLANDS COMPANY.

Inventors :

- (1) VIVEK KRISHNA SONI
- (2) CARL LESLEY WILLIS
- (3) DALE LEE HANDLIN JR.

Application No. 022/Mas/92, filed on 13th January, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

An oil composition comprising more than 50% w of an oil and less than 50% w of a selectively hydrogenated, carboxyl functionalised block copolymer which, prior to hydrogenation consists of a monoalkenyl aromatic hydrocarbon polymer block and a conjugated diolefin polymer block, said block copolymer being carboxyl functionalised in the monoalkenyl aromatic hydrocarbon polymer block thereof.

(Comp. 26 Pages;

Drawing Nil)

Ind. Cl. : 153, 170 B

180436

Int. Cl.⁴ : B 24 D 3/00.

A COATED ABRASIVE ARTICLE AND A METHOD OF MAKING THE SAME.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY A CORPORATION OF THE STATE OF DELAWARE, USA. OF 3M CENTER, SAINT PAUL, MINNESOTA 55144-1000, USA

Inventors :

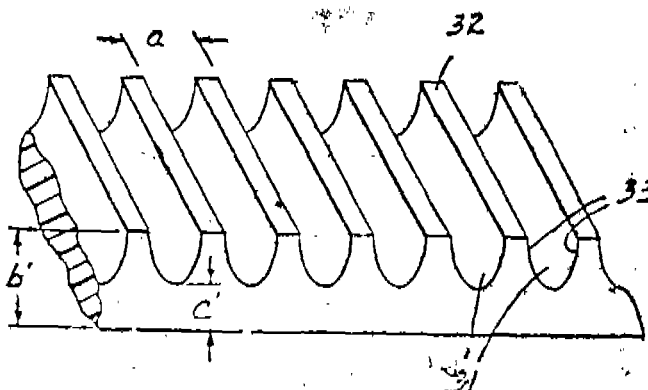
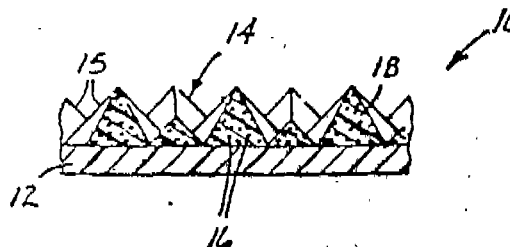
- (1) JON. R. PIEPER
- (2) RICHARD M. OLSON
- (3) MICHAEL V. MUCCI
- (4) GARY L. HOLMES
- (5) ROBER V. HEITI

Application No. 027/Mas/92 dated 14th Jan., 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

20 Claims

A coated abrasive article comprising a backing with abrasive composites on at least one major surface thereof, said abrasive composites comprising a plurality of abrasive grains dispersed in a binder, said abrasive composites having at least one predetermined shape and being disposed in a predetermined array.



(Com. 37 Pages;

Drwgs. 7 Sheets)

Ind. Cl. : 129 K

180437

Int. Cl.⁴ : B 21 H 1 /00

AN ELLIPRICALLY LOBED ARTICLE.

Applicant : TEXTRON INC. OF 40 WESTMINSTER STREET, PROVIDENCE, RHODE ISLAND 02903 USA. A CORPORATION OF THE STATE OF DELAWARE, U S A.

Inventors :

- (1) DAVID GOSS
- (2) RICHARD SEIDL

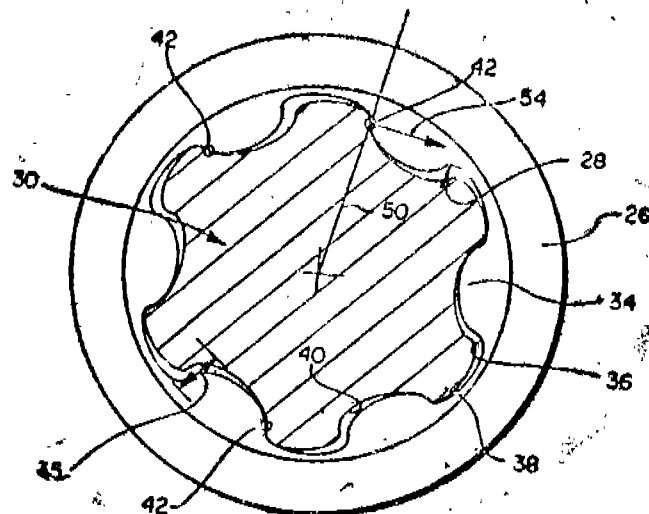
Application No. 38/Mas/92 filed on 21st Jan. 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Chennai.

16 Claims

An elliptically lobed article comprising a body having a portion thereon being defined by a first series of elliptically curved surfaces (34) and a second series of elliptically curved surfaces (36) alternating with said first series of elliptically curved surfaces, said first series of elliptically curved surfaces (34) being convex, while the second series of elliptically curved surfaces (36) alternating therewith being concave, with the adjacent surfaces of said first and second series merging generally tangentially, each said elliptically curved surface (34 and 36) of said first and second series being generated from a central point (76 or 78) with the central points of said first series and the central points of said second series conforming generally to the apexes of regular hexagons (84 and 86), and all of said elliptically curved surfaces (34) of said first series being generated from ellipses of substantially the same dimension, and all of said elliptical curved surfaces (36) of said

series being generated from ellipses of said same dimension.



Ind. Cl.: 132 C; 6 A4

180439

Int. Cl.: A 47 L 9/00 A 47 J 43/00

A VACUUM CLEANER-CUM-BLOWER ATTACHMENT.

Applicant : NARASIMHAN VENKATARAMANAN, 320, RAJA STREET, COIMBATORE-641001, TAMIL NADU, INDIA.

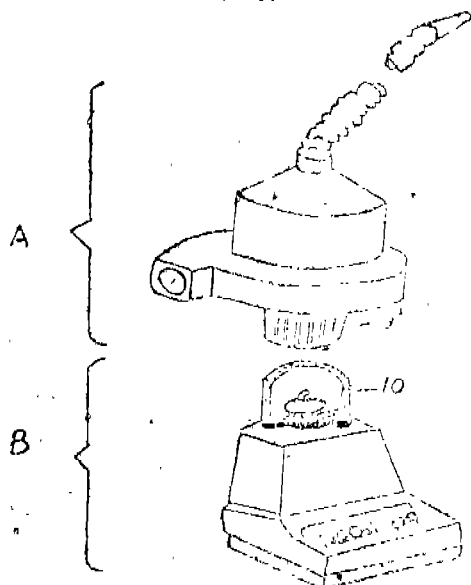
Inventor : (1) NARASIMHAN VENKATARAMANAN.

Application No. 39/Mas/92 filed 22nd January, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

1 Claim

A Vacuum Cleaner-cum-Blower Attachment which consists of a spiral casing that can be mounted on top of a basic domestic mixer-grinder by means of a bung integral to the said casing an impeller disc, housed in the casing, capable of being rotated directly by the output shaft of the basic mixer-grinder through a coupling such that the impeller disc induces a flow of air in a spiral direction, with a pressure differential, due to centrifugal action; a chamber with cover, with a removable dome-shaped air filter inside the chamber, assembled over the casing; an air hose attached to the cover at the air inlet end or to the casing at the air outlet end such that the attachment can be used either for vacuuming or for blowing applications.



Ind. Cl.: 172 D 4

180439

Int. Cl.: D 01 H 1/00

"A TWO-FOR-ONE TWISTING SPINDLE."

Applicant : PALITEX PROJECT - COMPANY GmbH, WEESERWEG 60, 4150 KREFELD, GERMANY, A GERMAN COMPANY.

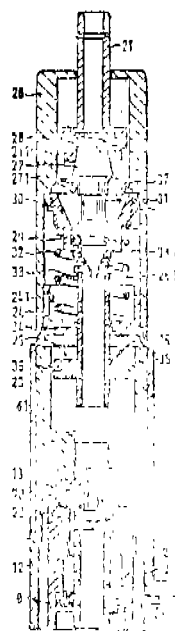
Inventor : HARMANN NIERATSCHE.

Application No. 51/Mas/92 filed 28th January 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A two-for-one twisting spindle employing compressed air for threading a thread, said two-for-one twisting spindle comprising : a hollow axle comprising at least two cylindrical chambers; a thread storage disk having a thread guiding channel and connected to a lower end of said hollow axle; a thread inlet tube connected to an upper end of said hollow axle; a thread brake located inside a first one of said cylindrical chambers, said thread brake comprising a braking cartridge, an upper and a lower braking ring, and a support means for supporting said braking cartridge in a released position thereof, said braking cartridge resting with an upper end at said upper braking ring and with a lower end at said lower braking ring in braking position, a hollow piston sealingly sliding inside said first cylindrical chamber with said lower braking ring connected to said hollow piston; spring means for returning said hollow piston into an initial position; injector means for providing a jet of compressed air to said two-for-one twisting spindle; a tube being connected to said hollow piston and extending in a downward direction as an extension of said lower braking ring, said tube having at least one lateral opening for communicating with said first cylindrical chamber and being sealingly guided within a lower face wall of said first cylindrical chamber; and a second hollow piston connected to a free end of said tube and axially sealingly slidable inside a second one of said cylindrical chambers, said second cylindrical chamber having an air inlet in a cylindrical wall thereof located between said lower face wall of said first cylindrical chamber and an upper side of said second hollow piston.



Ind. Cl. : 172 D 4

180440

Int. Cl.⁴ : D 01 H 13/00.

"AN ENERGY CONSERVING SPINDLE FOR YARN SPINNING AND DOUBLING PROCESS."

Applicant : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, COIMBATORE AFRODROME POST, COIMBATORE-641 014, INDIA, AN INDIAN BODY, AND M/S. KUNAL ENGINEERING COMPANY LTD., INDUSTRIAL ESTATE, AMBATTUR, MADRAS-600 058, INDIA, AN INDIAN CORPORATE BODY.

Inventors : 1. TARAKAD VEDAMURTHY RATNAM,
2. AYIKUDI RAMASUBRAMANIA IYER,
KALYANARAMAN,
2. AYIKUDI RAMASUBRAMANIA IYER
4. SRINIVASA RAGHAVA ADHINATHAN,

Application No. : 078/Mas/92 filed on 7th Feb. 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

An energy conserving spindle for yarn spinning and doubling processes comprising a spindle shaft (D) having a coaxial sleeve integrally formed therewith, the base of the sleeve covering the mouth of an insert (A), the said sleeve having a spindle wharve (B) and a step (C) to hold the bobbin (E).

(Compl. Specn. 8 Pages; Drwgs. 2 sheets).

Ind. Cl. : 128-F

180441

Int. Cl.⁴ : B 05 B 11/04.

A DISPENSER FOR DISPENSING A STERILE SOLUTION.

Applicant : ALLERGAN, INC., A DELEWARE CORPORATION, OF 2525 DUPONT DRIVE, IRVINE, CALIFORNIA 92715, U. S. A.

Inventors : (1) BRADLEY EDWARD CASTILLO,
(2) JOSEPH ERWIN TUNGOL,
(3) EDGAR MARTIN LITZAW.

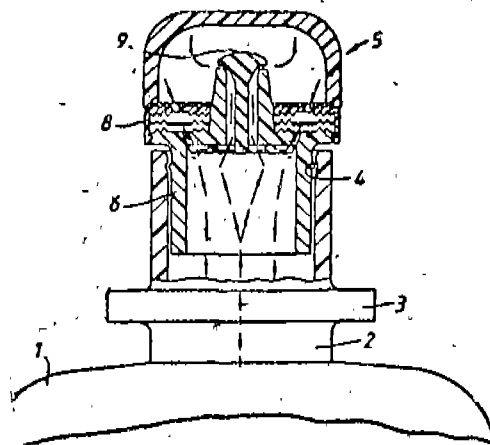
Application No. 80/Mas/92 dated February 10, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A dispenser for dispensing a sterile solution; the dispenser comprising a container body for containing the sterile solution and a valve means mounted thereon for controlling dispensing of solution from the container body and ingress of air into the container body, the valve means comprising a solution outlet, an air inlet separated from the solution outlet, microscopic filter means located in the air inlet and sealing means for sealingly closing the solution outlet and the air inlet, the sealing means being adapted selectively to close one of the solution outlet and air inlet whereby the sealing means prevents solution from accessing the air inlet and filter means.

4-437 GI/97



(Compl. specn. 27 Pages; Drwgs. 4 sheets)

Ind. Cl. : 163-D

180442

Int. Cl.⁴ : F 04 D 29/60.

A MONOBLOCK PUMP ASSEMBLY WITH MEANS FOR EASY DISMANTLING AND REASSEMBLING.

Applicant & Inventor : KRISHNASWAMY NAIDU SAMPATH KUMAR, AN INDIAN CITIZEN OF MESSRS TURBO MACHINES COMPANY, BHARATHI PARK CROSS ROAD, NO. 7, P. B. NO. 2725, COIMBATORE-641 011, TAMIL NADU.

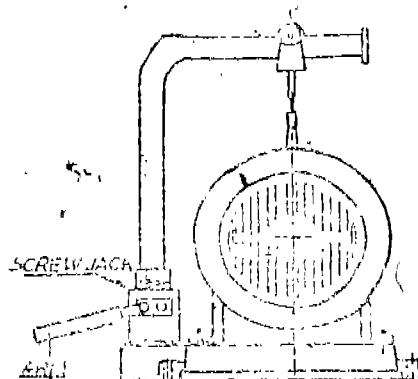
Application and Provisional Specification No. 81/Mas/92 dated February 10, 1992.

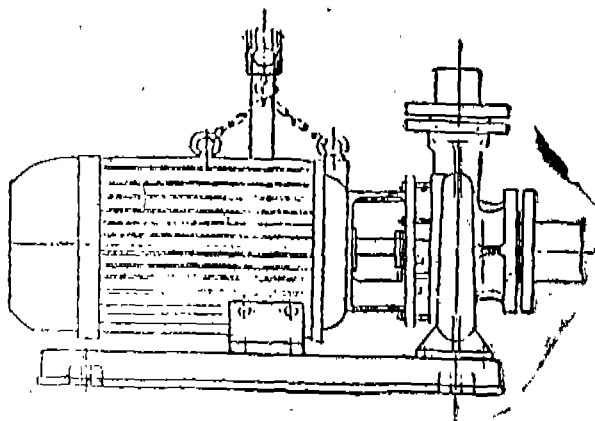
Complete Specification left : April 30, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A monoblock pump assembly with means for easy dismantling and reassembling comprising monoblock pump mounted on a base plate, the said base plate having fixedly mounted thereon, a crane assembly consisting of an L shaped arm, one limb of the said arm being vertically positioned with respect to the base plate, while the other limb being horizontally disposed thereto, the said crane assembly having means for adjusting the height of the arm and for tilting the same vertically and axially, the horizontal limb of the arm being provided with lifting/holding means capable of aligning with corresponding means provided on the motor, the said horizontal limb being capable of lifting and holding parts from the motor for maintenance and repair and thereafter reintroducing the same into the motor casing.





(Prov. 4 Pages; Drwgs. Nil)
(Compl. specn. 8 Pages; Drwgs. 2 sheets)

Ind. Cl. : 145 E

180443

Int. Cl. : D 21 H 5/14.

A METHOD FOR PRODUCING CELLULOSIC FIBERS LOADED WITH CALCIUM CARBONATE.

Applicant : UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, WASHINGTON, D.C., USA, A: U. S. CORPORATION.

Inventors :

1. JOHN HAROLD KLUNGNESS
2. DAIEL FRANCIS CAULFIELD
3. IRVING B. SACHS
4. MARGUERITE S. SYKES
5. RICHARD WALTER SHILTS AND
6. FREYA TAN.

Application No. 082/Mas/92 filed on 11th February, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

9 Claims

A method for producing cellulosic fibers loaded with calcium carbonate, said method comprising the steps of

- (a) Providing a cellulosic fibrous material comprising a plurality of elongated fibers having a fiber wall surrounding a hollow interior, said fibrous material having moisture present at a level sufficient to provide said cellulosic fibrous material in the form of dewatered crum pulp;
- (b) Adding 0.1% to 50% by weight based on the dry weight of said fibrous material, a chemical selected from the group consisting of calcium oxide and calcium hydroxide to said pulp in a manner such that at least some of said chemical becomes associated with the water present in said pulp; and
- (c) Contacting said pulp with carbon dioxide so as to provide a cellulosic fibrous material having a substantial amount of calcium carbonate loaded within the hollow interior and within the fiber walls of the plurality of cellulosic fibers.

(Compl. Specn. 26 pages; Drwgs. 7 sheets.)

Ind. Cl. : 32C

180444

Int. Cl. : C12N 15/00.

A METHOD OF PRODUCING A β -1, 4-GALACTANASE.

Applicant : NOVO NORDISK A/S, OF NOVO ALLE, 2880 BAGSVAERD, DENMARK, A DANISH JOINT STOCK COMPANY.

Inventors :

1. KURT DORREICH
2. HENRIK DALBOEGE
3. JAN MOELLER MIKKELSEN
4. MARCEL MISCHLER
5. FLEMMING MARK CHRISTENSEN.

Application No. 84/Mas/92 dated February 12th, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

13 Claims

A method of producing a β -1, 4-galactanase comprising the steps of transforming a host cell, such as herein described, by introducing in a known manner an expression vector having a recombinant NDA sequence of at least one partial DNA sequence selected from

(1) GCG CTC ACC TAT CGC GGC GCA GAC
ATC TCT TCT CTC TTG CTG CTT GAA GAT
GAG GGC TAT AGC TAT AAG AAT CTC
AAT GGC CAA;

(2) ACC CAA GCC CTA GAG ACA ATT CTC
GCC GAT GCT GGC ATC AAT TCC ATT CGT
CAG GTG TGG AAC CCA;

(3) GCA CGG CAG CTA CAT CTG GAC TAC
AAT TTG GAG CTG GCC AAG GCG GIC
AAG GCG CTG GCA;

(4) TCT GAA TTG TGG GAG GGA GGG GAT
GAG TGC TCC GTC AAG;

(5) ACG TAA CTA ACT AGA AGG TAG TTA GTT
TAC TCC AAG TCT CCA AGC GAC CAT TTT
GCT ACA CAC GCG C; or

(6) GA CGA GGG CCG GGG TAT AAA CCA GGC
CAG GGT CTC TAA AA;

cultivating the said transformed host cell under known conditions to produce β -1, 4 galactanase; and recovering the β -1, 4-galactanase in a known manner.

(Compl. Specn. 37 pages;

Drwgs. 13 sheets.)

Ind. Cl. : 92 J, L

180445

Int. Cl. : A 23 L 1/00.

A PADDY COOKING MACHINE.

Applicant : BINNY LIMITED.

Inventor : B. GAJENDRAN.

Application No. 87/Mas/92 filed on 13th February, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A paddy cooking machine comprising a hopper provided with a first rotary feeder at its base; a cooking chamber disposed below the rotary feeder, said chamber having a steam closet at its base for inlet of steam into the closet and thence into said chamber and outlet of condensate from said closet; a second rotary feeder provided at the base of the steam closet; and a primary drier, compartment disposed below the second rotary feeder, the said drier compartment having an outlet for the cooked paddy, free from steam, at its base.

(Compl. Specn. 8 pages;

Drwng. 1 sheet.)

Ind. Cl. : 172 D

180446

Int. Cl. : D 01 H 11/00.

AN APPARATUS FOR REPLACING RING TRAVELLERS ON SPINNING OR TWISTING RINGS.

Applicant : BRACKER AG., OBERMATTSTRASSE 65, 8330 PFAFFIKON ZH, SWITZERLAND, A SWISS COMPANY.

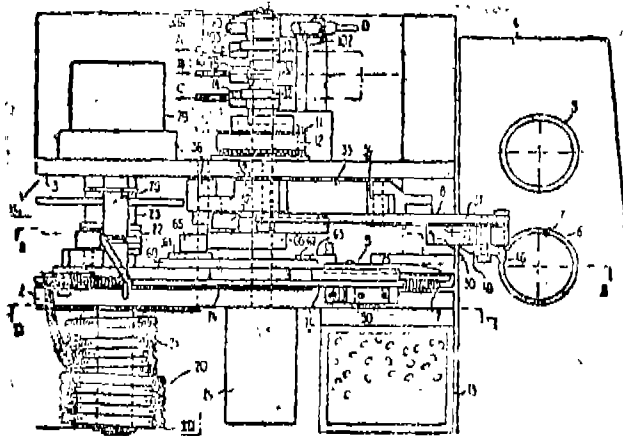
Inventor : ANDREAS NEFF.

Application No. 098/Mas/1992 filed on 19th February, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

14 Claims

An apparatus for replacing ring travelers on spinning or twisting rings, comprising; a housing having two substantially parallel first and second walls defining substantially parallel first and second planes; a lift-out device for lifting out a ring traveller, said lift-out device having a pin for supporting the ring traveller in a lift-out position thereof; motion imparting means for imparting a motion impulse to the ring traveller for positioning the ring traveller on said pin; and an actuatable clamping organ for retaining the ring traveller on said pin; first motion links movably supported in said housing and connected with said lift out device, said motion links being movable in said first plane between an operations position and an off-position thereof; an attaching device for attaching a new ring traveller, said attaching device being movable in said second plane between an operational position and an off position thereof; a ring traveller magazine containing a plurality of strung ring travellers; feeding means for feeding an individual ring traveller from said magazine and for retaining the individual ring traveller at an end of said magazine; stop means cooperating with said magazine for retaining the individual ring traveller at said end; second motion links movable supported in said housing and connected with said attaching device for moving said attaching device between operational and off positions thereof.



(Compl. Specn. 25 pages;

Drawngs. 7 sheets.)

Ind. Cl. : 107 G

180447

Int. Cl. : F 02 N 9/00.

COLD STARTING DEVICE FOR FUEL INJECTION PUMPS.

Applicant : ROBERT BOSCH GMBH, POSTFACH 10 60 50 7000 STUTTGART 10, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors :

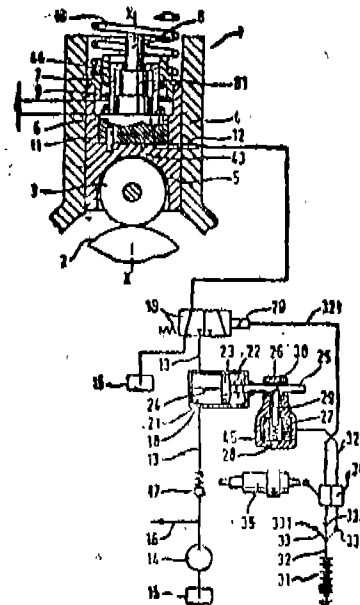
1. C. P. MATHUR
2. T. G. NAGENDER
3. N. VENKANNA.

Application No. 110/Mas/92 filed on 25th February, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

9 Claims

Cold starting device for fuel injection pumps in which a hydraulic tappet (1) is connected to a feed pump (14) by means of a fluid line (13) in which are located, in series, a non-return valve (17), a fluid pressure reservoir (18) and a control valve (19), characterised in that the fluid pressure reservoir (18, 36) is provided with a detent lock (41, 45) which, like an actuating means (20) of the control valve (19), is connected to an ignition switch (3).



(Compl. Specn. 9 pages;

Drwng. 1 sheet.)

Ind. Cl. : 107-G

180448

Int. Cl. : F 02 D 1/00.

AN AUTOMATIC HYDRAULIC CONTROL DEVICE FOR VARYING THE BEGINNING OF INJECTION IN SINGLE-CYLINDER AND MULTI-CYLINDER INJECTION PUMPS FOR DIESEL INTERNAL COMBUSTION ENGINES.

Applicant : ROBERT BOSCH GMBH, A GERMAN CO., OF POSTFACH 10 60 50 7000 STUTTGART 10, FEDERAL REPUBLIC OF GERMANY.

Inventors :

1. C. P. MATHUR
2. K. N. SUBRAMANYA
3. N. VENKANNA
4. A. VIJAYAN.

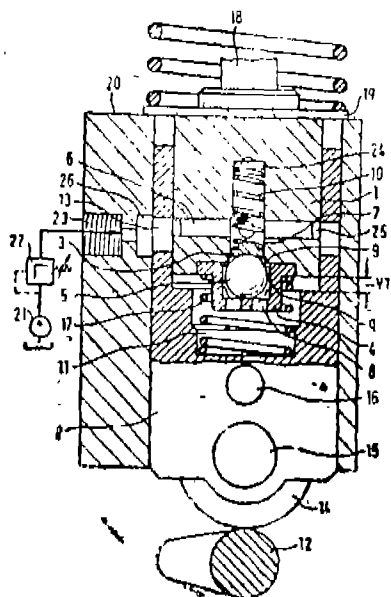
Application No. 111/Mas/1992 Filed on 25th February, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

11 claims

An automatic hydraulic control device for varying the beginning of injection in single and multi-cylinder injection pumps for diesel internal combustion engines, the said device comprising a cam control for a roller tappet which is designed as a hydraulic tappet and is formed by a roller tappet body (2) capable of being moved by the pump cam,

provided in sliding fashion in a guide hole of a casing, of the injection pump or of the internal combustion engine, and by a roller tappet plunger body (1) guided in sliding fashion in the roller tappet body, a groove (26) being provided in the guide hole of the casing, connecting an oil inlet hole (23) leading to an oil passage opening (13) in the roller tappet body (29), an axial hole (7) being provided in the roller tappet plunger body (1) into which two holes (6) open, the said two holes being perpendicular and are connected along the groove (26) to the oil passage opening (13), the said roller tappet body (2) and the roller tappet plunger body (1) being connected to one another in centrally symmetrical fashion by a ball valve arrangement which brings a roller tappet chamber (11) made in the roller tappet body (2) hydraulically into contact with the roller tappet plunger body (1), a distance Y1 being provided between the roller tappet plunger body (1) and the roller tappet body (2) at the bottom dead centre of the hydraulic tappet, a spring (10) located in the roller tappet plunger body (1) and acting on a ball (5) of the ball valve arrangement, a return spring (17) in the roller tappet body (2) and a restrictor cross section (q) which is formed between the roller tappet chamber (11) and the roller tappet plunger body (1) by the outside diameter of the ball (5) of the ball valve arrangement and the inside diameter of a guide shell (4) located in the roller tappet body (2) and acted upon by the return spring (17).



(Compl. Specn. 12 pages;

Drwngs. 3 sheets.)

Ind. Cl. : 139-A

180449

Int. Cl.⁴ : C 09 C 1/50.

A MULTI STAGE PROCESS FOR PRODUCING FURNACE CARBON BLACKS.

Applicant : CABOT CORPORATION A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, USA OF 75 STATE STREET, BOSTON, MASSACHUSETTS 02109-1806, U.S.A.

Inventors :

1. MACKAY, BRUCE E.
2. WILKINSON, MARK ALLAN.
3. YATES, BARRIE JOHN.

Application No. 113/Mas/1992 filed on 25th February, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

19 Claims

A multi stage process for producing furnace carbon blacks exhibiting lower-than-normal structure at a given surface area, and lower-than-normal structure at a given overall combustion level wherein a stream of hot gases for converting a carbon black-yielding hydrocarbonaceous feedstock to carbon black is produced in a first stage and is propelled into a second stage where feedstock is injected into said gaseous stream which is converted into carbon black, quenching, cooling, separating, and recovering the resultant carbon black, wherein essentially unreacted auxiliary hydrocarbon is separately introduced into the reaction zone where the feedstock undergoes the carbon forming reactions to form the carbon particles, said reaction zone is located from the point of feedstock injection to the point of quenching, and adjusting the primary combustion level and overall combustion level to a structure sensitivity index (SSI) less than zero, said SSI, being defined by the formula :

$$SSI = \frac{SAS_{mf} - SAS_{ah}}{SAS_{mf}}$$

where

$SAS_{mf} = \Delta(DBP)_{mf} / \Delta(Iodine\ Number)_{mf}$, $SAS_{ah} = \Delta(DBP)_{ah} / \Delta(Iodine\ Number)_{ah}$, $|SAS_{mf}| = \text{absolute value of } SAS_{mf}$

$\Delta(DBP)_{mf}$ = the change of the carbon black DBPA due to a change in feedstock flow rate while all other process operating conditions are held constant;

$\Delta(Iodine\ Number)_{mf}$ = the change of the carbon black iodine number due to a change in feedstock flow rate while all other process operating conditions are held constant;

$\Delta(DBP)_{ah}$ = the change of the carbon black DBPA due to a change in auxiliary hydrocarbon flow rate while all other process operating conditions are held constant;

$\Delta(Iodine\ Number)_{ah}$ = the change of the carbon black iodine number due to a change in auxiliary hydrocarbon flow rate while all other process operating conditions are held constant.

(Com. 26 Pages; Drawgs. 1 sheet)

Ind. Cl. : 25 C, D

180450

Int. Cl.⁴ : B 28 D 1/00.

METHOD OF PRODUCING SHAPED ARTICLE WITH A DESIRED PATTERN.

Applicant : CCA INC., 99 SOTO-KANDA 1 CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors :

1. HIROSHI UCHIDA.
2. MITUHIRO ONUKI.
3. HIDEO WATANABE.

Application No. 116/Mas/1992 filed on 27th February, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

24 Claims

A method of producing shaped article with desired pattern, comprising the steps of disposing at a prescribed position within a main form for molding the shaped article a projection-bristling form having a support member and a plurality of projections of the same height standing upright from the support member; charging a prescribed amount of dry pattern-course material for forming a pattern course of the shaped article into spaces defined by a prescribed number of projections of the bristling form; charging a base-course material for forming the base course of the shaped article into the main form including the remaining space of the bristling form not filled with the pattern course material, removing the bristling form allowing the charged pattern-course material and base-course material to set into a shaped article, and removing the shaped article from the main form.

(Compl. Specn. 53 pages;

Drwngs. 10 sheets.)

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 176096 dated 24th Oct., 1988 made by Khosla Engineering on the 27th Dec., 1996 and notified in the Gazette of India, Part III, Section 2 dated the 1st March, 1997 has been allowed and the said patent restored.

LIST OF CESSATION OF PATENTS

160595 160599 160611 160665 160704 160711 160732 160741
160826 160827 160840 160845 160849 160856 160870 160871
160911 160938 160938 160978 160992 161078 161099

PATENT SEALED ON 02-01-98

178511 178513 178514 178515 178516 178517 178518
178521 178522 178524* 178525 178526 178527 178528*
178529* 178530 178532*D 178533*D 178534*D 178535*D
178536*D 178537*F 178538*D 178539*F 178541 178542*
178543 178544 178546 178547 178548 178549 178550

CAL-25, DEL-02, MUM-06, CHEN-NIL.

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries

Class 1. No. 173699, Vinodrai Hirji Veera, Indian national, trading as Veera Industries (India), a sole proprietor concern having office at 10/11, Bharat Coal Compound, Bail Bazar, Kala Marg, Kurla (W), Bombay-400 070, Maharashtra, India, "STAINLESS STEEL TILE", 28th April 1997.

Class 1. No. 174428, Honda Giken Kogyo Kabushiki Kaisha, a corporation of Japan, having a place of business at 1-1, Minamiaoyama 2-chome, Minato-ku, Tokyo, Japan, "MOTOR CYCLE", 31st July 1997.

Class 1. No. 174103, Caradon MK Electric Ltd. of Caradon House, 24 Queens Road, Weybridge, Surrey KT-13 9UX, United Kingdom, a British company, "ELECTRICAL SWITCH", 18th December 1996 (Reciprocity date).

Class 1. No. 174212, Ashok Manufacturing Co. Pvt. Ltd., an Indian Company of Opp : Hanuman Mandir, Vijay Nagar, Delhi-110 009, India, "FLUSHING CISTERN ATTACHMENT", 3rd July 1997.

Class 3. No. 173804, Flair Pens Ltd., an Indian company, 63, B. C. Government Ind. Estate, Charkope, Kandivli (W), Bombay-400 067, Maharashtra, India, "BALL POINT PEN", 5th May 1997.

Class 3. No. 174363, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A., of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "LUNCH BOX", 23rd July 1997.

Class 3. No. 174364 Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A., of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "CONTAINER SET", 23rd July 1997.

Class 3. No. 174365, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A., of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "BREAD BOX", 23rd July 1997.

Class 3. No. 174366, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A., of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "HANDLE FOR CONTAINER", 23rd July 1997.

Class 3. No. 174367, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A., of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "CONTAINER WITH HANDLE", 23rd July 1997.

Class 8. Nos. 174162 & 174163, Cosmique Pvt. Ltd., of A. 17, Naraina Phase II, New Delhi-110 028, India, an Indian company, "CARPET", 26th June 1997.

T. R. SUBRAMANIAN

Controller General of Patents Designs & Trade Marks

प्रबन्धक, भारत सरकार मंत्रालय, फरीदाबाद द्वारा मूद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1998

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